

SEQUENCE LISTING

<110> Ruben et al.

<120> 90 Human Secreted Proteins

<130> PZ013P2C1

<150> 09/969,730

<151> 2001-10-06

<150> 09/774,639

<151> 2001-02-01

<150> 60/238,291

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<150> 09/244,112

<151> 1999-02-04

<150> PCT/US98/16235

<151> 1998-08-04

<150> 60/056,371

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<150> 60/054,807

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<151> 1997-08-05

<160> 373

<170> PatentIn Ver. 2.0

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<211> 733

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<213> Homo sapiens

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 <212> PRT
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 <222> (3)
 <223> Xaa equals any of the twenty naturally occurring L-amino acids

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 <210> 3
 <211> 86
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 <213> Artificial sequence

 <220>
 <223> synthetic GAS containing promoter element

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 cccgaaatat ctgccatctc aattag 86

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 <213> Artificial sequence

 <220>
 <223> Primer

 <400> 4
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 <210> 5
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 gccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180
 ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
 ttttgagggc ctaggctttt gcaaaaagct t 271

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 <212> DNA
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<220>
 <223> Primer

 <400> 6
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 <210> 7
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 <212> DNA
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 <220>
 <223> Primer

 <400> 7
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 <210> 8
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 <212> DNA
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 ccatctcaat tag 73

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 <213> Artificial sequence

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 cagttccgcc cattctccgc cccatggctg actaatTTTT tttatttatg cagaggccga 180
 ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
 cttttgcaaa aagctt 256

<210> 11
 <211> 706
 <212> DNA
 <213> Homo sapiens

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catgcataat cttatatcaa gtataatttc atttttatat aattttctgtg ccttacctct      180
tgcttctccc caattcacaa atgaagaaag tagttacacc gcccttcggt catgtacaag      240
gggaggggtt gaatccagggt ctctaggaac ccaaaagtca tgcaccttcc aaggcaaagg      300
agattaccat gttacagcat agataaaaaac ataatagaat taggaattgg ataagtatag      360
aggggttcaat agtgttcccc caaaattcct ctcaacactg aagctcagaa tgtgacctta      420
tttgagagata ggatctccaa aggtaatgca gatgtaatca gttaagatga ggtcataccg      480
gattaatttg ggtcctaaat ctaatgactg gtatcctttt aagaagaaga gaaaacacag      540
gacacagaca caaggaagca gcaaactgta agacagaggc tgggggtgta gtgatgcagc      600
tataaggcat ggggccaccg gaggtctggga agggataagg agggaccctt ccccaaagcc      660
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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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aggcatgagc cactgcgccc agccgggtctt tttaaacatt ccccgaggact gtacagccaa      180
cccatactca cctgacattt gggaactccc cccacaggcc ataactgatc tgcagaggta      240
agaccaagag caagaatggg ggattcacat ctaagggtctg gtgatggctg atgaaggaag      300
aagaatcagc gaacaaaagc ctctagggtct ttcttaccac aaacacctct ctgcccacct      360
gctttgaaag gggcagaagt atagtgggag agctgcccac ctgctacagt gaagggatct      420
ggagaaatac tcacactttg aggtgctcgc cctcttcata agccagctct aacttaagcc      480
aatgacccca cgggagctta cacaagtyca aacaggccca aatgcattca tgagcagggg      540
gaggccaaag gactccggag gagagaggcc caataaggct ggtgctatct ccgatccata      600
gagagagcag aggtgggcag gcccttttga ttaatgtatc attcttgaat gcaagcttca      660
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ccagggccga ctggccagag acagatccgc aagaggctct gcagccagct ctggtgccaa      780
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 <211> 2753
 <212> DNA
 <213> Homo sapiens

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acgccaaactg tagccaggta ggaacaatgg tcaactgtac ctgcctgccc gactacgagg      180
gtgatggctg gagctgccgg gcccgcaacc cctgcacaga tggccaccgc gggggctgca      240
gcgagcacgc caactgcttg agcaccggcc tgaacacacg gcgctgtgag tgccacgcag      300
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cactttggga	ggccaaggcc	gatggatcac	ttgaggtcaa	ggagtttgag	accagtctgg	660

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710

<210> 15

<211> 634

<212> DNA

<213> Homo sapiens

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<222> (486)

<223> n equals a,t,g, or c

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 gcatttgtac cgtgccagct cagcaccstg cccggcaaca tcttcgagg cctggtcagc 660
 ctgcagtacg tctacctcca ggagaacagc ctgctccacn tacaggatga cttgttcgcg 720
 gacttgcca acctgagcca cctcttctc caccgganag cctgcggctg ctcacagagc 780
 acgtgtttcg cggcctgggc agcctggacc ggctgctgct gcacgggaac cggctgcagg 840
 gcgtgcaccg cgcggccttc cgcggcctca gccgcctcac catcctctac ctgttcaaca 900
 acagcctggc ctgytgccc ggcgaggcgs tcgccgacct gccctcgctc gagttrctgc 960
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<210> 20
 <211> 733
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)
 <223> n equals a,t,g, or c

<400> 20
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 agggcggtatt catcatgaag caaacgcggc tgaaccccc agtggctctt attcttctcc 120
 aaccctttc aagaccagag gatgggctca gcaattctgt ttaataatt ttgcattctg 180
 tcccttaaatt cataaagaga gcccccaatc tgtaaagctt ctgatccac acaacctctc 240
 agggctccag ggtcctgagg aggatggcca ggtcactgtg ggctgtggt ggagccagcg 300
 ggcacccagg gcttctggt gggccaggct cctggtcata gactgagcca gammagcatc 360
 agcytccgat ctccaggccc ctgcggtgag ggccccaatg cccctgataa ggctctgctc 420
 ctaaagggt gttggccttg aacaagctgc tctctgcct cagtttccam ttcaggatgg 480
 agacatgaat gagagaagt tccctgaaac tctgatggc ttccatttc ctggtttcct 540
 gtctttctg aggtgaatt ctgcgctgc tttctctgag atccctcact ttctgcca 600
 gaaatttct ctttagtctg ttcagagtga agtgcaaatc aaaataaaaa agtgcaagtt 660
 caaagtgcaa tcaaaacaaa caaacaaact ttggctaagg caaaacccaa ccaaaaaaaaa 720
 aaaaaaaaaa ctc 733

<210> 21
 <211> 722
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (697)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (717)
 <223> n equals a,t,g, or c

<400> 21
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 ggcaaaggca ggatttgaac ctagaacctc tggctccaca cactagtaat ctaaaccact 180
 ctccctacaa tacaacatac gtggtaaaga tgtgtggtgg gcacgcaatc aacgtaggtc 240
 ccttcacagt tgctgggaga ggcaggaatt tgcagttcct ccgcgttctc ctccctccgt 300
 gccacactgt cctgggtcat tcctgcagcs tgccctgccc tgccctggtct caccctccct 360
 ctgccaacag aagtctgggc agggttttat gggctctgat aaggccctgg caggggccgaa 420
 gttcatgagc acttcctctt tgcaggaggg cgtaggggag gggacccagg tgatttgggt 480
 cctggctggt caccagggaa gctggcaagg gaaggagagac tagggtgcgc tctaggagaa 540
 gccgacagcc tgagagtccc agaagaggag ccctgtggac cctcccctgc cagccactcc 600
 cttaccctgg gtataagagc caccaccgcc tgccatccgc caccatctcc cactcctgca 660
 gctctttctca cagaccagcc actagcgcag cctcganggg gggcccgtcc caatttnctc 720
 ct 722

<210> 22
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 22
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 aaatgttttt ttactactgt aaaagtaatg cagagaaatg ttcacttacc aaacacatac 120
 ctttgtaaaa atcaccactt aaagtttggt tctaaagatt ttaggacacc aagatgcaaa 180
 taatattttt ggctgttacc tgctctttca ctactgctga gtctgcagtg gcaagatagc 240
 tacacagtac ctcagccctc ctgctcagtt tttaacatct attgataata ctaattacaa 300
 gaaaatttaa aatgtctttt tgcaaaaaga taccataagc agtcaaaaaca caattaaaaa 360
 aaaaaaagag agagatgtaa acaattactt tccggccggg tgccgtgggt cacacctgta 420
 atcccagcat tttgggagac caaggcggga ggattgcctg aggtcaggag ttcaagacca 480
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 gtgacgcatg cctgtagtcc caggtactcg ggaggctgag gcaggagaat cgcctgaacc 600
 caggagatgg aggttgccgt gagccaagat cacgccactg cactccagcc tgggtgatag 660
 agcaagactc tgttttccaaa aaaaaaaaaa aaggcgccgc 700

<210> 23
 <211> 1266
 <212> DNA
 <213> Homo sapiens

<400> 23
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tactacgggc	ctgggggtgg	agatgtgccg	gtacacccac	ctccaccctt	atatacctctt	120
cgccctgaac	ctccccagcc	tcccattttcc	tggcgggtgc	gcgggggagg	cccggcgagg	180
accacctggc	tgggagaagg	cggaggaggc	gatggctact	atccctcggg	aggcgccctgg	240
ccagagcctg	gtcgagccgg	aggaagccac	cagagtttga	attcttatac	aaatggagcg	300
tatggtccaa	catacccccc	aggccctggg	gcaaatactg	ccttcatact	caggggctta	360
wtatgcacct	ggttatactc	agaccagtta	ctycacagaa	ttccaagtac	ttaccgttca	420
tctggcaaca	gccccactcc	agtctctcgt	tggatctatc	cccagcagga	ctgtcagact	480
gaagcamccc	ctcttagggg	caaggttcca	ggatatccgc	cttcamagaa	mcctggaatg	540
amcctgcccc	attatcctta	tggagatggg	aatcgtagtg	ttccacaatc	aggaccgact	600
gtacgaccac	aagaagatgc	gtgggcttct	cctggtgctt	atggaatggg	tggccgttat	660
ccctggcctt	catcagcgcc	ctcagcacca	cccggcaatc	tctacatgac	tgaagtactt	720
caccatggcc	tagcagtggc	tctccccagt	cacccccttc	acccccagtc	cagcagccca	780
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ccaacaatca	agatcaaagt	agcagtcttc	ctgaagaatg	tgtaccttca	gatgaaagta	1020
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aagtagaaga	atttgtagga	aaaaagacag	acaaagcata	ctggcttctg	gaagaaatgc	1140
taaccaagga	acttttggaa	ctggattcag	ttgaaactgg	gggccaggac	tctgtacggc	1200
aggccagaaa	agaggctgtt	tgtaagattc	aggccatact	ggaaaaaaaa	aaaaaaaaaa	1260
actcga						1266

<210> 24

<211> 785

<212> DNA

<213> Homo sapiens

<400> 24

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aattagcaat	ggttttgcc	agaatactgg	tattgatgct	gttttttagca	ctgaaaaatc	120
ctgtgggaga	aatgaggaat	ttaacacatt	gtaggtgtta	agattcctgg	gtgtctgaca	180
gtatccctgg	aaccattatc	attaattaac	ttttcaatca	gaaaggcaaa	ctactttgct	240
gttaggcttc	cagatgaggt	tttttgaaaa	aacagtaaga	taataaaggc	ttggattgct	300
cctacttcct	gaggcaagtc	acatctcata	ttattcagaa	cttggactga	agagctcata	360
gggcaagtga	ggccaaggtc	aggagtcttc	agacatcttg	ggccaagtgc	cattctagaa	420
gaaatgattc	tcttcctcag	tcaccatcta	tctatgcccc	caggtttgac	tcgctctttt	480
cccaaggagt	gctgttcatt	cctgacacaa	gggagaccag	aaaagagatc	atgaatgaca	540
gtgaaaacct	ttatgacact	gacataaagc	agagagttag	actgaatatg	agttggtagc	600
ttttcctttg	tatctgtgta	agttgaatca	tacaaaattg	tcatttttgg	gattcaaaag	660
tgtaaaacaa	aagcaagttc	atatgattca	agcttacatt	tttttctcac	tataagaaag	720
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tccga						785

<210> 25

<211> 2351

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (593)

<223> n equals a,t,g, or c

<400> 25

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agaaagtcaag	gtcaattaaa	tgaaaagccc	ttacctgaag	gttgggaaat	gagattcaca	180
gtggatggaa	ttccatattt	tgtggaccac	aatagaagaa	ctaccaccta	tatagatccc	240

cgcacaggaa	aatctgccct	agacaatgga	cctcagatag	cctatgttcg	ggacttcaaa	300
gcaaagggttc	agtatttccg	gttctggtgt	cagcaactgg	ccatgccaca	gcacataaag	360
attacagtga	caagaaaaac	attgtttgag	grttcctttc	aacagwtawt	gagcttcagt	420
ccccaaagatc	tgcgargacg	tttgtgggtg	atTTTTccag	gagaagaagg	tttagattat	480
ggagggtgtag	caagagaatg	gttctttctt	ttgtcacatg	aagtgttgaa	cccaatgtat	540
tgcctgtttg	aatatgcagg	gaaggataac	tactgcttgc	agataaacc	cgnttcttac	600
atcaatccag	atcacctgaa	atattttcgt	tttattggca	gatttattgc	catggctctg	660
ttccatggga	aattcataga	cacgggtttt	tctttaccat	tckakaagcg	tatcttgaac	720
aaaccagttg	gactcaagga	tttagaatct	attgatccag	aattttacaa	ttctctcatc	780
tgggttaagg	aaaacaatat	tgaggaatgt	gatttggaaa	tgtacttctc	cgttgacaaa	840
gaaattctag	gtgaaattaa	gagtcatgat	ctgaaacct	atgggtggca	tattcttgta	900
acagaagaaa	ataaagagga	atacatcaga	atggtagctg	agtggagggt	gtctcgagggt	960
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acctgtttta	atcgcttgg	cctgccacca	tacaagagct	atgagcaact	gaaggaaaag	1380
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cactttacaa	acaatgttaa	cactgtgatt	ccttcattgt	tttaagaagt	taacctaggg	2160
ccgggcatgg	tggctcatac	ctgtaatcct	agcactctgg	gaggccgagg	caggaggatc	2220
ccttttagccc	aggagttaaa	gaccagcctg	ggcaacatag	ggagaccctg	tctttttttt	2280
gggcagcgtg	gtgggggata	aataaaaaaa	aaaaaaaaaa	actcgagggg	gggcccgtac	2340
ccaatcgccct	g					2351

<210> 26

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)

<223> n equals a,t,g, or c

<400> 26

gnacccccgg	gctgcaggaa	ttcggcmcga	gaaatgaggg	ttcagcctga	catctgtaac	60
ctccccacca	accctctgag	tctgaagttg	ggcttgatgc	tgttatcact	gaccttttgt	120
ttggagaaaa	cagtccaagg	tttgaaattg	ggcttatgtt	tattcaaaact	aagcttctct	180
gagcacatgg	tctgtccac	tcacctcag	agtatccgtt	ggttttactt	catgttcaga	240
ctgcagtgtt	gttaaagaaa	taaagctaca	gtgttttcag	aaggatttgt	tatattatac	300
ttcatgttcc	cactgctcca	ggctaagcgt	ctcctctggg	ctccattgtt	taatgcagga	360
caaagccagg	ttttctggca	gcttcttttt	catagcaatt	ctcagtagag	gtatagaatg	420
agacctgcct	accttcttgg	gtgtttatta	ccccatttgt	ggattttact	tttaacttctg	480
ttaccttaaa	aaaaaaaaaa	aaaaactcga				510

<210> 27
 <211> 1307
 <212> DNA
 <213> Homo sapiens

<400> 27
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 agcaggctgg tctcggaac gaaacgaaat tcggctccctg ggccctcctcc cgggcgctgc 180
 cggctccctca gcgcgccgcg ccacccggaa cagacccttc tcccgccatt ttcggcgggg 240
 ctgggagact gaggcccgcg gcgctgagcc tgcggcgccc cggaagaggc gggcggcagc 300
 gccgctggcg tggactgcg ggacgggggt ggcgcccggc agcacgtgtt cctggtttca 360
 gaatatTTaa aagatgcttc aaagaagatg aaaaatgggc taatgtttgt aaaactgggt 420
 aaccctgtt caggagaagg agccatttac ttgttcaata tgtgtctaca gcagctgttt 480
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 tttccaaatt gcatcttgtt gctgaaactt cctggacttg agaagttact tcatcatgtg 720
 acagaggaaa aaggtaatcc agaaatagac aacaagaaat attacaagta cagcaaagag 780
 aagacattaa agtggctgga aaaaaagggt aatcaactg tggcagcatt aaaaaccaat 840
 aatgtgaatg tcagttcccc ggtacagtca actgcatttt tctctgggtga ccaagcttcc 900
 actgacaagg aagaggatta tattcgttat gcccatggtc tgatatctga ctacatccct 960
 aaagaattaa gtgatgactt atctaaatac ttaaagcttc cagaaccttc agcctcattg 1020
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 tacactaagt ttaatactaa agatttgaag actgaaaaga aaaatagcaa aatgactgca 1140
 gctcagaagg ctttggttaa agttgacaag agtggaatga aaagtattga tacctttttt 1200
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 aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaag ggcggcc 1307

<210> 28
 <211> 794
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (345)
 <223> n equals a,t,g, or c

<400> 28
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 ttaacatacc tcgtgccaaa agagagctgg ctgagctgaa caaatgcacc tccccacagc 120
 agaagcttgt ctgcttgcca aaagtgggtgc agctcattac acagtctcca agccagagag 180
 tgaacctgga gaccatgtgt gctgatgatc tgctatcagt cctgttatac ttgcttggtga 240
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 gcttggcaaa ggatgaactg gggatactgc ctgacctcat tcgangctgc ccattgaata 360
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 tccttaagca gagaatgagc ttactctctc agatgacttc gtctcccacc gactgcctgt 480
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 gagctctgat tgtgccactc tactccagcc tgggcaacat agcaagacct tgtttctaaa 720
 aaaataaata aataaattct gttatttgtc accctgtagg gattcactga aaaaaaaaaa 780
 aaaaaagggc ggcc 794

<210> 29
 <211> 1040
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (33)

<223> n equals a,t,g, or c

<400> 29

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tgcaggaaga	gatggcgctt	ctactgcagc	agattgagat	agagagaagc	ctgtattcag	300
accacgagct	tcgtgctctg	gatgaaaacc	agcgactggc	aaagaagaaa	gctgaccttc	360
atgatgaaga	agatgaacag	gatatatatt	tggcgcaaga	tttgggaagat	atgtggggagc	420
agaaatttct	acagttcaaa	cttgaggctc	gcataacaga	agctgatgaa	aagaatgacc	480
gaacatccct	gaacaggaag	ctagacagga	accttgctct	gttagtcaga	gagaagtttg	540
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gaacagctga	acgaaccctg	gccacactct	cagaaaacaa	catggaagcc	aagttcctag	660
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tggacggtgc	tcagacaagt	ctgggattag	agcctcaagg	acattgtgtg	attgcctcac	960
atttgcaggt	aatatcaagc	agcaaaacta	attctgagaa	ataaacgagt	ctattacwaa	1020
aaaaaaaaaa	aaaaatcgca					1040

<210> 30

<211> 781

<212> DNA

<213> Homo sapiens

<400> 30

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aaaggcgggt	ggtttacgta	gctcagcaga	caagacgcca	gatggtatgt	atgcttgatt	180
gaaagtaccc	acctgttatt	ctgcgaacac	aatgggagga	acagaatcct	acatttcctc	240
atccccctta	ctgaggactc	tccttctttc	atacttagta	tttttatatt	acctgtatct	300
attattctac	gtggcaagaa	gtccttttgg	gaaggcagag	tataaataat	gtagttttat	360
taatagataa	gtattagtaa	aactttgcat	tagaagatgt	atgactgacg	ttgcatagag	420
ttgtgtgatg	tagagtaata	ttccatgggt	tacacatcca	taattatggt	tgccgaaaca	480
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tattaaaaaa	tagaataaag	gcaagtggcc	caaactcttg	tcattaattt	tractggaag	660
agaggcttag	gaaagatgag	acattttaagc	attgcatgga	ggaaaaaaga	agtagatctc	720
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<210> 31

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (749)

<223> n equals a,t,g, or c

```

<400> 31
gagctgacctg atggaaagaa gagaagaaag gtccctggcgc tcccctcaca ccgaggcccc      60
aaaatcaggt  tgcgggacaa aggcaaagtg aagcccgtcc atccccaaaa gccaaagcca      120
cagataaacc  agtggaagca ggagaagcag caattatcgt ccgagcaggt atctaggaaa      180
aaagctaagg  gaaataagac ggaaacccgc ttcaaccagc tggtcgaaca atataagcag      240
aaattattgg  gaccttctaa aggagcacct cttgcaaaga ggagcaaatg gtttgatagt      300
tgatgatggc  agcaggctgg gtaagaagct gggttgtgta ctttctgggtg acactcctgg      360
gctcctcccc  atcccccggtg tctctcactg agggaaagaa aatcccccaag ggcactgcca      420
ctgtgctcgg  aggtgccctg gactgtgtac atctgaactt tgggccatcc tttgatgtgt      480
ggttcgttag  ccacaaagag aaatatctga aagtcaacat gatgcttctt gcatattatc      540
cagattattg  tatgaagttg tgtctataat tattaccaat ttttattctt tattttctcaa      600
atggaaacac  ctgaaaaagc attctggagt gctgaatttt taagatgtat attttggttaa      660
gcatattctc  taaatgagat attgtgtggc tttttagtaa caacgtcatt tctaataaaaa      720
aaaaaaaaaa  aaaaagaaaa gaaaaaanaa                                750

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<210> 32
<211> 697
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (97)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (394)
<223> n equals a,t,g, or c

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<400> 32
ggccgcacctt tttttttttt tttgataaaa gaaaagattg gtcttgtctc tgtaaaactg      60
aggaacaatt  acttttagata actggtgtta gttttcnctt tctttcttga cggaagcaaa      120
acagatatgg  gttctaccct caagaagctt tagatgaatc agagatatag acataaaaata      180
aagaactata  aaacaattca ttacgcttat gatagctgta ataataaaaa agtacaggga      240
acaataatat  catataacag agggataaca tcacacaggg aacaacagta tcacatagca      300
gggatataata caaggatcct aggtaacctg gtctggatat atacaaggat cccgggtgac      360
ccggtctggc  tggtaagagg tttccctgag aaancgatca gtgagagctg agagagaagc      420
aggcagagca  agktgatggg gcagggggtg ggagagagca gaagcgtgac ccaagagggg      480
cccaggccaa  aacctttgca ctcagtgact ctgaaagaat gcagaggggc tgtggctcaa      540
agctgcagct  ggaaaggtaa gagggggccag gcaactgcagc accatgtgga tcacactata      600
aactttgaat  atcatcctaa gagaaatggg aaaccaatta tggattttta aaaggaaata      660
tttttatttc  cattttaacc ggacgcgtgg gtcgacc                                697

```

```

<210> 33
<211> 557
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (16)
<223> n equals a,t,g, or c

```

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<400> 33
gcaggtagcc  ggtccnggaa ttcccgggtc gaccacgcg tccggtattt ttttattggg      60
gtgggggaaag gggcaaaaag aatgatctta gtgtctttac ctttctcata ttaactcacc      120
tctttattct  gtgggtcttt ctgaatagaa atgtatgccc taggaagaaa tcatgctggg      180

```

ttttgctttt	agagataaaa	ggtggtggat	ttattttggc	tgcagtaaag	attctcaggg	240
tgtcagagca	gcatattgtc	aaatcctgct	tctgttttat	gtttcagtggt	attcactttc	300
attttctttac	ttactagacc	atttctgcag	tttgcccaaa	cctctactgt	ttgggacagt	360
aagccaaata	cctcattttt	aaaaagaagt	tttcatggca	tcagtgttaa	taaagtacat	420
ttttaactga	gtcttaatct	ctatttgaag	aaaaagtaga	gacaaaagta	atgtcaatgt	480
aatccccagg	atcatgaaat	gtatacaaaa	taaataaagt	aggagagtta	aaaaaaaaaa	540
aaaaaaaaag	ggcggcc					557

<210> 34
 <211> 674
 <212> DNA
 <213> Homo sapiens

<400> 34						
ggctgaccca	cgcgctccgat	aatgtgtagc	tactgtatgc	cttattttaat	tattttttttg	60
agtgtcattc	acaatcacaa	aacgataccc	ttactgaaag	tgtagtgga	taaacttaat	120
tgcataatta	cggacctgtg	tatttccaga	gatgatgttt	tccccactac	atgttaagat	180
gtacgtattt	aatgacaatg	ctgtttgttg	tatgagaact	tgagacagaa	gatttagtag	240
gattatccag	tgacagtcag	tacaggggtgc	gattaagctg	tccttctggc	tcttggcctg	300
gtatatgttt	gtctctggcc	atgcagttac	agaatagggc	aggtggcatg	tttatatatg	360
cctttgattt	cacagaagtt	ggtgagcttt	cctaagtggg	gaattttaga	gctagatagg	420
attgttggtg	gagagggggc	agggaaatgga	gagttgattc	ttcactcttc	tgtggtgcag	480
ttgaatttac	atgtagctgg	aactgatttt	ccaagggatt	atgatggcaa	tgagcttaga	540
agattgggtg	ggtttttagca	cttcagaatt	ggatcccttg	ccggaaccct	tgctaagagg	600
gagtggactt	gtatttggtg	cagagaccaa	aaaaaaaaaa	aaaaaaaggg	sggccccccc	660
caagggggcc	ccaa					674

<210> 35
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 35						
gaactastgg	atcccccggg	ctgcaggaat	tcggcackag	gctgcgctcg	gccaggccgg	60
caccatgctg	cccctgctct	gcgcgctgac	cggactggcc	ctgctccgcg	ccgcgggctc	120
tttgcccgct	gccgaaccct	tcagccctcc	gcgaggagac	tcagctcaga	gcacagcgtg	180
tgacagacac	atggctgtgc	aacgccgtct	agatgtcatg	gaggagatgg	tagagaagac	240
cgtggatcac	ctggggacag	aggtgaaagg	cctgctgggc	ctgctggagg	agctggcctg	300
gaacctgccc	ccgggaccct	tcagcccccg	tcccagacct	ctcggagatg	gcttctgagc	360
cctggagctg	gagcccagca	gttggagggtg	gtgcacctgc	cagcagcgcc	cacagaacca	420
gccctgtcct	ctcgacttcc	ttccttagct	tcatgtgaaa	taaaagctat	tctggtcaaa	480
aaaaaaaaaa	aaaaaaaaaa	aaaaactcga				510

<210> 36
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (272)
 <223> n equals a,t,g, or c

<400> 36						
ggaattcggc	acgaggaaat	aagggtgacag	atccccagct	gctgaagaac	tagaatgtct	60
attacactca	tacaattgat	gttttatttt	aatacaccag	agctaccaca	caaaacttcc	120
ttccatgtga	aaggctccag	ataaaaattct	gccatccctc	ctctcctcat	gtcctcctgc	180

tcagaccac	cttcatgcc	ctaaaccaat	ctgcatcatg	cctgtttcag	agagtcattg	240
gaagatggg	agtgcctcca	ttgtcacca	tnccccacac	ctctgcacac	ttctgcccct	300
tccccctag	acgccacaac	ttcacagtct	tactgttgta	aatattcctg	cacagttagt	360
aatgatcaaa	tgatcctgtg	gtcagaggcc	tctttggcag	tgtcttctta	cccttaagaa	420
aggtcatgaa	atccagaagg	ggcaaccctt	ccaggagagc	tttggagtca	tttctgtgtg	480
agacactatt	gcataatcct	gtaagattgc	ttttatat	aagggaatgat	gttacttaac	540
aatgaacaa	aaaaaattgc	aaataaattt	tttaacaatg	tttaaaaaaa	aaaaaaaaaa	600
actcga						606

<210> 37
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 37						
gaattcggca	cgagcggcac	gagctcgtgc	cgaattcggc	acgagatttc	atgggcagtg	60
tctggaactg	ccttttagca	ttacttgaaa	aacattta	tactttgtac	aaattaataa	120
taacagtgtc	actagatttg	ctcagtgcc	ggcataagt	ctttacatct	gtgaactcat	180
ttactgaat	tggtcccggg	gttgggatag	aacagctgcc	cctccttcag	cagcggttcc	240
agcgtccta	gctctgctgc	ctggccactt	tggtttcccc	aatccctggy	ctccaggagc	300
agggctctca	gctccctggg	ctctcacgtc	ctcacctgag	ctgaggagag	gacaggggtg	360
ctctctccag	ctccamamtg	gtctgtatcc	aggctatttc	amcctcattc	aaaaaaaaaa	420
aaaaaaaaact	tcga					434

<210> 38
 <211> 778
 <212> DNA
 <213> Homo sapiens

<400> 38						
ggttctctg	ccaagaggag	caattttcgt	gccatcagca	aaaagctgaa	tttgatccca	60
cgtgtggacg	gagagtatga	tctgaaagt	ccccgagaca	tggtttacgt	cttcrgtggg	120
gcttatgtgc	ccctgagctg	ccgaatcatt	gagcagggtg	tagagcggcg	astggcaggg	180
ccttgatgag	gtggtacggc	tgtcaactg	magtgacttt	gcattcacag	atatgactaa	240
ggaagacaag	gcttccagtg	agtccctgcg	cctcatcttg	gtggtgttct	tgggtggttg	300
tacattctct	gagatctcag	ccctccgggt	cctgggcaga	gagaaaggct	acaggttcat	360
tttctgacg	acagcagtc	caaacagcgc	tcgccttatg	gaggccatga	gtgaggtgaa	420
agcctgatgt	ttttcccggc	cagtgttgag	atcttccctg	aacacattcc	tcagtgaagt	480
gcaggcatct	ggcaccagc	tgctataacc	aagtgtccac	caactacctg	ctaagagccg	540
ggagcatgga	acgtgttggt	atttagagaa	cattatctga	gaaaagagtt	cacttcctgc	600
tcccaggata	tttctctttt	ctgtttatga	agtacaaccc	atgctgctaa	gatgcgagca	660
ggaagaggca	tcctttgcta	aatcctgttt	gaatgtcatt	gtaaataaag	cctctgctct	720
cagatgtaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaagg	ggggggggc	778

<210> 39
 <211> 702
 <212> DNA
 <213> Homo sapiens

<400> 39						
gaattcggca	cgagctgggt	catggatttt	gagaatcttt	tctcaaaacc	ccccaacccg	60
gccctcggca	aaacggccac	ggactctgac	gaaagaatcg	atgatgaaat	agatacagaa	120
gttgaagaaa	cacaagaaga	gaaaattaaa	ctggagtgcg	agcaaattcc	caaaaaattt	180
agacactctg	caatatcacc	aaaaagtctg	ctgcatagaa	aatcaagaag	taaggactat	240
gatgtatata	gtgataatga	tatctgcagt	caggaaatcg	agataaattt	tgccaaagag	300
cttcaacagt	acatacaagc	cagagaaatg	gcaaatgctg	ctcaacctga	agaatctaca	360
aagaaagaag	gagtaaaaga	tacccacacag	gctgctaaac	aaaaaaataa	aaatcttaaa	420

gctgggcaca	agaatggcaa	acagaagaaa	atgaagcgaa	aatggcctgg	ccctggaaac	480
aaaggatcaa	atgctttgct	gaggaacagc	ggctcacagg	aagaggatgg	taaacctaaa	540
gagaagcagc	agcatttgag	tcaggcattc	atcaaccaac	atacagtggg	acgcaagggg	600
aaacaaatth	gtaaatatth	tcttgaaaag	aaatgtatta	agggagacca	gtgtaaatth	660
gatcatgatg	cagagataga	aaaaaaaaaa	aaaaaaactc	ga		702

<210> 40
 <211> 639
 <212> DNA
 <213> Homo sapiens

<400> 40						
gaattcggca	cgagtattaa	gtcaaattgc	tgtattctac	gtgttagagt	gagttcaaaa	60
gatccattgt	attactgaat	aggcaaaagt	tttaatttca	gaggatgaaa	ctgatatatth	120
actgccacct	tgtggatatt	ctgttattac	aggctattat	aaaargcaat	gcgggtatgt	180
aatctgttct	aacaagaagc	atttcctttt	tttgcgtttt	ttattattgt	tattattaca	240
ttttaagttc	tgagatacat	gtacagaacg	tgagggtttg	ttacataggt	atacacatgc	300
catgggtggg	tactgcaccc	atcaacccat	catctacatt	aggatatttct	cctaattgcta	360
tccctccccc	agcctcccac	cccttgacag	gccccgggat	gtgatgttcc	cctccctgtg	420
tccatgtgtt	ctcattgttc	aactcaaaaag	aaaaacagaa	gcattttctg	ctttcccaat	480
ttcttaaata	caatgcaact	ttatgtttaa	tttaactaac	ttaatttttt	gagacaagggt	540
ctagctctgt	tgcccaggct	ggagtggcgt	ggcgtgaata	tggttcagtg	aaacctccac	600
ctccctggct	caagtgatcc	tccttctca	gcctctcga			639

<210> 41
 <211> 532
 <212> DNA
 <213> Homo sapiens

<400> 41						
atggctgctt	tcaacccgaa	cgcgccatc	cttcaagatc	aagaccatt	ccatagttca	60
acaagtagtt	ggtgatgata	gagtgcctg	actgggccag	aacagcctct	ttagccaaac	120
agcgcaggaa	agtcttttaa	cagatgctca	gctcctttct	tcattttcac	tttaattcca	180
tgatgcctct	gtgtccctct	gacgacatct	ctcctggggg	ctgggactct	gctgggtcttc	240
catgcctact	gagaaggctt	cctggccatc	atcaggcagg	aaaacctcaa	agccctccgt	300
cctcaacgtg	ggatccctgg	gccagcagca	tcagcctcac	caggaaacct	gttcttctgc	360
tcattcttgg	gccccacccc	aggcctattc	aaagaaagac	tccaggggca	gcgcttggca	420
gcctgtgttt	ccaccagatc	tgtgtgaaaa	ctcaaataaa	ccagcccagg	tgatgtgacg	480
caggaaagtgc	aaggctgaga	gccagtgtct	aaggcaacct	cggtccgaat	tc	532

<210> 42
 <211> 644
 <212> DNA
 <213> Homo sapiens

<400> 42						
tcgagttttt	tttttttttt	tatttattat	tttactttta	gttctgggat	acatgtgctg	60
aatgtgcagg	tttgttacat	aggtatacat	gtgccatggg	ggtttgctgc	acctatcaac	120
ccgtcatcta	ggttttatgc	cccgcatgca	ttaggtattt	gtcctaattg	tctcccggcc	180
ctttcccaact	aacacctctc	tgagtttatg	aatccttgca	gatatgtttt	atgtatatga	240
tcatagtatg	tatgtagaca	cacacacaca	cacacacgtt	ccctctctct	acacaaatgg	300
taacatacta	aagatactct	tctgtacctt	cacagtacaa	gtaccatatt	ccccacttag	360
cacttggcaa	aggccaaagc	cagttaaggg	caggggtgag	acttggcctc	caagctctat	420
gtccagtgtc	cgctccccc	agggccctta	actcaccac	agaagcggac	tcagccccag	480
gctacgtcta	acaaccacac	acaaaagcag	caagaaatgg	cccattgctg	cttctgggca	540
ggacattcca	tcctgcagaa	ggaaccttta	ggctcactcc	gccacctggg	aagccagggt	600
gccaggggat	ggggcaggcg	gttggactca	ctcgtgccga	attc		644

<210> 43
 <211> 905
 <212> DNA
 <213> Homo sapiens

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<400> 43
gaattcggca cgaggtgatg aataaataaa tcaacagaga ttttaccatg ttttttttta      60
aactgatcta gtttatcact ctcttatctc tacaatttat ctttcactca aagaactaaa      120
gttatcttcc aaaaacacag aatgaatcag ctcaactctcc tcaagactct taaatgggcc      180
ttcattactt gttgagaaaa gccagacttt gtttagtgga gcaattaaac tccccacaat      240
ttatctgcca gaagactttc tggaaccatg tatgggtttt ttgccctcca acttacagtc      300
ttattgggcc attatttttt tctcatcatg ccacacattt ttgtgtcagg taatttttagt      360
cttttggcct tgttcttact atcagccaac ttcatagttg aagtccagag ttgggtgttg      420
ttgtgtgtgt tttttatcka tttaggtagg agttacaatt tttatttgct ttgtgacagc      480
attattttct gacacatttt cttcatatct ttttaaagag tttctttttt aaacccatgt      540
tattcaaggt taaacaaata acgagtttct ttgtttggat gttatgctta cacttacttg      600
aatatgttgt tttttttcca gactagccat tagcaagatt cctgtggagt gaggggagtgc      660
ccagggtagt tctccagatt attctgctca aattcttcct cttctcatgc tgcagtgatg      720
aattatttct tcaaaactat gaccccaactg tgtagctcca ctttcccttg ttctcacaag      780
agtgtacaaa atcgttgagt cttctgagcc atgggctaaca agaatcctag ctactgcctt      840
ccactatata tttccctttt taaaaggagc attttctgag ttagtcatc tcaggccttc      900
ctcga                                         905
```

<210> 44
 <211> 413
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (407)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (408)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (409)
 <223> n equals a,t,g, or c

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<400> 44
gaattcggca cgagtgcagc ttcatttttg gctgccttag ccatgaagct ccttttgctg      60
actttgactg tgctgctgct cttatcccag ctgactccag gtggcaccca aagatgctgg      120
aatctttatg gcaaatgccg ttacagatgc tccaagaagg aaagagtcta tgtttactgc      180
ataaataata aaatgtgctg cgtgaagccc aagtaccagc caaaagaaag gtgggtggcca      240
ttttaactgc tttgaagcct gaagccatga aaatgcagat gaagctccca gtggattccc      300
acactccatc aataaacacc tctggctgaa aaaaaaaaaa aaaaaaaaaa araaaaaaaa      360
aagaaaaaaaa actcaagggg gggcccggta cccattcgcc ctatgtnnnt cgt          413
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<210> 45
 <211> 496
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (22)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (472)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (479)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (493)
 <223> n equals a,t,g, or c

<400> 45
 ccgtgatgtg gcgcctgcac antcctttcc ctttcggatt cccgacgctg tggttgctgt 60
 aaggggtcct cctgcgcca cacggccgtc gccatggtga agctgagcaa agaggccaag 120
 cagagactac agcagctctt caaggggagc cagtttgcca ttcgctgggg ctttatccct 180
 cttgtgattt acctgggatt taagaggggt gcagatcccg gaatgcctga accaactgtt 240
 ttgagcctac tttggggata aaggattatt tgggtctctg gatttgagg caatcagcgg 300
 acagcatgga agatgtgtgc tctggctcgg ataagagatg ggacatcatt cagtcactag 360
 ttggatggca caaggctctt cacagacgca tctgtagcag agtggawcct gtactaactt 420
 atgatagaat gtatcagaat aaatgttttt aacagtgtwa aaaaaaaaaa rnaggrgng 480
 agtgggtggg gtnag 496

<210> 46
 <211> 1915
 <212> DNA
 <213> Homo sapiens

<400> 46
 gaattcggca cgagcttaaa tgttcgacag ctcaaagctg ggaccaaatt agtgtcctca 60
 tagcagaat gtggggctca aggagttaca ggactgctac aagcaggagt gatcagtga 120
 ttatttgaac ttctgtttgc tgatcacgta tcatcttctc ttaagttaaa tgctttttaa 180
 gctttggaca gtgtcattag tatgacagaa ggaatggaag ctttttttaa gaggtaggca 240
 gaatgaaaaa agtgggttatc aaaagcttct ggaactcata ctttttagatc agactgtgag 300
 ggttgttact gctggttcag ctattctcca aaaatgccat ttctatgaag tcttgtcaga 360
 gattaaaaga cttggtgacc atttagcaga gaagacttca wctcttcta accacagtga 420
 acctgatcac gacacagatg ctggacttga gagaacaaac ccagaatatg aaaatgaggt 480
 ggaagcttct atggatatgg atcttttgga atcctcaaat ataagtgaag gggaaataga 540
 aaggcttatt aacctcctag aagaagtttt tcatttaatg gaaactgccc ctcatacaat 600
 gatccaacaa cctgttaagt ctttcccaac gatggcacga attactggac ctccagagag 660
 ggatgatcca taccctgttc tctttagata tcttcacagt catcacttct tggagttggt 720
 taccttgctt ctgtcaattc cagtaacaag tgctcaccct ggtgtgctgc aagccacaaa 780
 agatgttttg aagtttcttg cacagtcaca gaagggctct ctttttttta tgtcggaata 840
 tgaagcaaca atttattgat ccgagctctg tgctactttt atgatcaaga tgaggaggaa 900
 ggtctccaat ctgatggtgt tattgatgat gcatttgctt tgtggctaca ggactcaaca 960
 cagacattgc aatgtattac agaactgttc agccattttc agcgttgtag agccagtga 1020
 gaaacagacc attcagatct cttgggaacc ctgcacaatc tttatttgat tacttytaat 1080
 cctgtgggaa gatcagctgt tggccatggt tttagtctgg agaaaaatct ccaaagtctt 1140
 attactctaa tggagtacta ttcccaaga tgggaatacct ccaccaaaac ggccactcaa 1200
 agtatcacag aagatttctt cccgtggtgg gttttcaggc aatagaggag gacggggtgc 1260

tttccacagt	cagaataggt	ttttcacacc	acctgcttca	aaaggaaact	acagtcgctcg	1320
ggaaggaaca	agagggtcca	gttggagtgc	tcagaatact	cctcgaggaa	attacaatga	1380
aagtcgtgga	ggccagagca	attttaacag	aggccctctt	ccaccattac	gaccccttag	1440
ttctacaggt	taccgcccac	gtccctcgga	ccgtgcttct	agaggtcgtg	ggggacttgg	1500
accttcctgg	gctagtgcac	atagcggcag	tggaggctca	agaggaaaagt	ttgttagtgg	1560
aggcagtgg	agaggtcgtc	atgtacgctc	ctttacacga	taaaaatcct	tttggaaca	1620
tcttaactgt	atatgaacat	ttcacgagga	caataaaaaat	aagacattga	aggaccaatt	1680
tagacttagc	agttatctgg	agacatctga	gagaatatatt	ttatctgaag	aaagcagaat	1740
ttgtttgata	cctaacaaga	tttcaataaa	aatccaaact	ttgtatgtac	gtttgtatat	1800
attttccctt	ttttgtatga	ctatttattt	agaaaatttc	taggtgaaaa	actaaatgat	1860
gttttgtatt	tttcttgcct	atagcacaga	tattctcaaa	ctttctcagc	tcag	1915

<210> 47

<211> 1134

<212> DNA

<213> Homo sapiens

<400> 47

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aataaacaat	gcttttataa	caattcacta	ttctaaattg	atactggctt	aagatgttgt	180
cccagtgtca	ggtattgtta	tcgatttttt	ctttcctaga	acctgtcctt	tccagtggct	240
ccagtagact	tgtattttat	aatctttcaa	atattatgta	gcttgttaaa	cttcccatca	300
tgatcttgtt	cagttttctca	actcatttgc	aaaagagatg	actagcatgg	gagcctggat	360
tccagtatct	gttttagtgc	cttattagtg	cctcttagct	taggttcttt	tgatgattca	420
gcgtccagat	aatccaagg	agtgactgta	atcatagggg	tttctagtag	aatgcaatca	480
tgagcccctt	aggaagtttt	ggtcaataat	aaaccacaca	taggggtggg	gtcccctaag	540
attataatga	agctagaaaa	ttcctcttcc	ctagtgaagt	gtagccatcc	cacactatag	600
tagtgcaacg	cgttactcac	tgtgtttgtg	atgatgctgg	tgtcaacaaa	cccgcactac	660
cagttgtata	aaagtatagc	atgtacatac	atlttatatgt	agtacatata	ttgataataa	720
atggctgtgt	tactggctta	tgtatttact	atgtttttta	attgttattt	tacagagtac	780
atcttctact	tattaaaaga	agttaactgt	aaaacatcct	caggcagggtc	cttcaggggg	840
tattccagaa	aaaggcattg	ttatcgtagg	tgatgacagc	cctatgcacg	tttttcacca	900
gtgggatgaa	atatggagat	ggaagacagt	gatattgatg	atcctgatct	ttgcaggcct	960
aggctaattg	gtgtttgtgt	cttataagaa	aaaggattaa	aaaagaaaga	atlttttaaat	1020
ggaaaaaagc	ttatagaata	tgaatataag	gaaagaaaat	atltttgtac	aactatacaa	1080
tgtgttggtg	ttgtaaacta	aatgttatta	caaaaaaaaaa	aaaaaaaaaac	tcga	1134

<210> 48

<211> 1199

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (469)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (582)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (630)

<223> n equals a,t,g, or c

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<400> 48
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tttctctctt ccgttgccca gcatagtga cagaacagag ctcaataaaa tgtgttgaat 180
agataaatgg gctgttaaga gaaaaacttt agcagaatta aatttaaagg agtttaattg 240
agcaatgaat gattcacgga tcaggcagcc ccagaatta ctgcarattc agagaggctc 300
cagggtacct catggtcaga aaaaaaaaaa ggaagtgaag tacagaaatc agaggtgagg 360
tgcaraaaca gctggattgg ttacagcttg gcatttgtgt tatttgaaca cagtctgaac 420
actcagcact gtatgaatgg ttgaagtgtg gctgctgaaa ttggctgana ctcagctatt 480
gttacaggct gtaatcctaa attaggggtt caatcttgct tgcacactaa ggtaggttgc 540
agttcgtcca caaggactta aatacagaag tatggagtcc tnctcaggcc atatttagtt 600
tgctttaaca aggcatagca gtgataagtn ccagagagag gtggtcagca cgattcatca 660
ctgtcctcag acaagaagag gatgaggagg gatgagccat ttgtgcctat tttgkacctt 720
tttggaagg tcattgattac ttatcattgt wacatgtaac ttagcatgac ccatgggtac 780
agaaactagg ttttaattttt ttatccaaca gtgamgtttt ccatacttca ctcaagtact 840
tagtaattgc ttagcttttg cttcatttgc gcggttcat agatcatggc tgttgttcat 900
cgcttgtggc gtgcctggga aatcaatagc taaaaaygtt ttgtgaacct ttagtagttg 960
ttacctgggt aggtttggaa tgttccagga gaattaatga acamtccagg gatmgttttg 1020
tcattttaca gggaaataata agcaaatagc tgtttggaag tgtgattcta tcaaactctgt 1080
ttataaataa gtgcatattt gccattttaa gtaatttttt tatctgtgac ttgggcttca 1140
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<210> 49
<211> 1544
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (8)
<223> n equals a,t,g, or c

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<400> 49
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atgtgggaaa atgtaaaagc agggatatca gtgggcatta gaataaaaaac tagggataca 120
ataacttctt tgcataatgac aatacttatt tgtatataag agaaagaacg aaataacctt 180
tattgaaata aagatactat gcaagaaaat gtacagttgt cgaagtggag aaaatgagga 240
tatattcttg cagacgagct atagggtcata catgaatgtc tagtgagaca ttcaaaattc 300
gtatagggtg cagagtaatt tcttattgtg aggaactgtc caatgtattg caagatgttc 360
tgcatacttg gctctcacat actaaatgct agtagcgccc ccacccccac gccagtcac 420
ggtgacaacc acaaacctta tcagatctat tcaccttttt cagagcagat attttgtaac 480
attctctttg ctgacctgaa atgactcata gataatacaa tctacttaca cacatgaatt 540
tcttaaaaaa atcaatttaa tgccttaact ctcttattaa ggagaaatag aaaagaagaa 600
atttataatg aaaagaagat gaatttcatt atgtaaacgc tcaggcatga ctacgtgtt 660
tgaaacagac agatgtttac tcttcttgt aatgagtagg tttggattta agagccgatt 720
agaggctact tctgtaaac aagtacagga aaatgaaact agacgggtgg gggacactag 780
aatgaaaacc agtgttaggg taaagacaaa acagactatg tacataatct gtatatggga 840
aaagaaagag cgaaattacc ttacttaagg ataataggac aagacaaaat acagattgtc 900
tcagagaaaa caaatgagtt actctctcgg acaagctgta ggtcctacct aaatgtccag 960
caggacatta gacagtcgta cagggtacag aataattctt cgttgtgtgg cactaaccca 1020
cacactgcag gacatcgttc tccctggctg catccactca gtgctgggag tagtccccag 1080
ttattatgaa accaccaata acccactgac cacagtgaga accactgatt ttttccactg 1140
acctactgaa tatctagcat ccttagattg gctcaactgt tactttccta aggagtcctt 1200
ctacagaata ggtcagatct tggcctccca aacccttat ttttaaaata ctttgcgcct 1260

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tgctttgata	atttgtatta	tgtatccaaa	ctgaaattat	ctgctttctg	cattagaatg	1320
taagccccct	gaggggttgag	tcagtctgtc	ttgtttgctg	tgccacgcct	gatgcccagc	1380
ccagcagcat	gctttgtaca	ctgatataatt	gggtaaattt	tgttgaataa	attaagctca	1440
actatttgta	tttcaatagt	tgagttgtat	tgcttcctgt	tcttcaagct	taatttgaac	1500
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<210> 50
 <211> 738
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (14)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (66)
 <223> n equals a,t,g, or c

<400> 50						
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ttcccngggg	cgaccacgc	gtccgggtcaa	taactgtcat	agtgaatatg	tggtttttaa	120
gagtagtagc	tacttatggg	ggtgtagaaa	gaatggcctc	tctcttagac	aatttcattt	180
taaacatcat	agtcattctt	tgcatagtga	ttgactccta	tctttgtggt	ttcatgtatt	240
tctttgtgat	tgattcccca	gtgcctgcct	gcagtcatt	gcaactctcc	caaactttaa	300
tcctgcagct	tcagcccact	gctagatatt	tccattgatg	acctgtcatc	tgaaacctag	360
cattcatcat	gtgctgtgtt	gtataattgt	atgtctgtgt	tattgtatta	ctttcccaag	420
taaagttttt	gtgtaaggac	ttaacactgc	tttgaatccc	ctgtacctat	tatactgctg	480
tgtacaaagt	aggagttcaa	atacatgtga	tcacaatagt	cttccattca	taactcatca	540
gcagctcagt	ccttcttatg	tctagtctca	gttcattcag	ccaaagctca	tttttgcct	600
atccaaagta	gaaaggggtc	tttttagaaaa	cttgaagaat	gtgcctcctc	ttagcatctg	660
tttctgactc	ccagttattt	ttaaaataaa	tgatgaataa	aatgccaaaa	aaaaaaaaaa	720
aaaaaaaaaa	gggcggcc					738

<210> 51
 <211> 617
 <212> DNA
 <213> Homo sapiens

<400> 51						
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atgaagaaaa	tagtttgaga	caacctaaat	atgtcaatac	trgawtaatt	attaaaaataa	180
wtcattggccc	tgtcatataa	twgaatacta	tggagtttgg	aagaaagcat	gatgtagaat	240
atttaattat	atgggaaaat	aatcagtaaa	tcttttttaa	acagaaggta	aaactataca	300
tagttcaata	tagtaaagag	ggccggggcac	agtgtcacg	cctgtaatcc	cagcactttg	360
ggaggccaag	acaggtggat	cacctgaggt	tgggagttcc	agactagcct	ggccaacatg	420
gctagtctct	actaaaaata	caaaaatcag	ccaggcatgg	tagcaggcac	ctgtaatcca	480
agctacttgg	caggggaaggc	aggagaatta	cctgaacca	gaaggcagag	gttgcggtga	540
gccaaaatca	tgccactgca	ctccagcctg	ggcaccagag	tgaaactctg	tctcaaaaaa	600
aaaaaaaaaa	aactcga					617

<210> 52
 <211> 1448
 <212> DNA
 <213> Homo sapiens

<400> 52
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 agaccagtaa caaaaggtct gaaggtgtcg ggacctcttc atctgagagc actcatccag 180
 aaggccctga ggaagaagaa aatcctcagc aaagtgaaga attgcttgaa gtaagcaact 240
 gatggcattt gagaatttat gtatcactga gttttttggg aatatcttcg tggagaatta 300
 cgcacaaaat ttgattctca gagcaataaa ttatccatga agtgctctcg ttctcagtag 360
 cggcatcatg gccagtagtg tctttgagga gttcaccact tagattactg agtaattgtg 420
 gtttccacat ttgaaaacaa ctctttttat aattattcac tgctttttgt cagtgaata 480
 gacatcttgc ctctgaagt agcttcatca cagagtgtca tgaagacaga cagtcaggct 540
 gaaatggaca gttctttgtg gactctaccc ttcccttcaa ggagtatgtc atatatcaca 600
 aaagaaattg ccttacactg gttcatgttt gcagttactg ttgtacattg catagatgta 660
 cacacgaatt taaatgtgat gtctttgtat atatctgtat aatgttgaga ttacttacga 720
 aatatgtctg agtgacactt ttcacccttg tacagccaaa ataatgtata tatggaaagt 780
 gacagacaaa ttctctaata tctttggtay ctataactta ttagaatcct ctggatgagg 840
 gttagaagag actttttcca aacttctaca tgtagaagta tcataaatgt gctacacatt 900
 tatgtttgtg gatttaatta aagtatttta atatgggttt cagtgctaaa attggagtca 960
 gatacttctt ggttttaagc tgtctaccta attgctgtct cccagcagac tgggtggcatg 1020
 cccagtggct ttgggggcaa ggatagaaat gccatcagga aatagctgaa ttcattgtga 1080
 aacatgaatt cagtcattgt gataattgga aactcctttc aggtttttgc aagtagattt 1140
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 agttgtacct tgccctctct ccagctctgc tcccacattt tcacatacct agctgtttct 1260
 acctcattgg gtaagtcatt taccactctg tgccctcagtt tactctgtag tttaccatta 1320
 gactgtgagc tccttgaggg actttgtcat aatcactgtt acatcccagt gcctcacacc 1380
 atgcctggcc cttaagaagt gctcaataaa tgtctgaaca aataaaaaaa aaaaaaaaaa 1440
 gggcggcc 1448

<210> 53
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 53
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 tcttttgcct ccctgaaatg attttaactt tttgtgtttt tctccttttc tcatttcata 120
 atgcaattaa atctacccct tttctcaa atttaaaaa catgaataaa atatctttta 180
 ctaaggtca aacacaaatg gagtggcgta ggctgggtcat ggtggctgac acctataatc 240
 ccaacactgt gggaggccga ggcagggtgga tcaacttgagc tcacaagttt cagagccgag 300
 tgagcaacat ggcaaaaccc cgtctctaca aaagaataaa aaacttagcc aggcattgta 360
 gctactcagg gaggatggct tgagcctggg aggcagtggt tgcaatgagc caagatcgca 420
 ccactgcact ccagcctggg stataaagcc agaacttgct tcaaaaaaaaa aaaaaaaaaa 480
 ctgga 485

<210> 54
 <211> 1750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1287)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1392)

<223> n equals a,t,g, or c

<400> 54

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gattcattaa	tcatgtcttg	cccacttttt	tcaacaaacc	tgacgtccta	taatgagcta	180
tacagtgtga	ggcatatttc	atagcaacgt	tggttgattg	ccaaggagac	tctgccaccg	240
ttctggataa	gctcatgttt	cccttttctt	tggctgctaa	tagaagggca	acttacagtg	300
cagggccaag	agcaagaagc	tgggggagta	gaggctatac	atctagccta	ataatagaga	360
tctgaggtgg	tyaccaggag	actacgttct	tttgattcca	ttcctcagca	gcaaaagtac	420
ttgagttcaa	atgataaaac	ttgaagttgt	aggcttgga	gagtatcagc	tcagtatatc	480
cttccttgca	taaatacaag	ggaaaggcca	aggaataatc	agcattaacc	tgccagggtcc	540
aagggctctt	tatccctgac	ttcatctgag	tcacaagatt	tctctaataa	gagaaacttt	600
gctactctga	ggaaaattat	cccttatggg	agcccccagt	tcagaggtaa	gaacagttct	660
ttcacgtgga	ggtcacaaat	tctggacttc	tagaaacaag	tgaagtgtgc	taaagtctcc	720
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ggagataagc	tgtctttggc	agtccttgca	tccaaggcta	cagaacccat	atcttttcca	960
aggcgttcca	gttggttctt	ctgctgttgg	ctctctgcgt	tggccagtga	tttttttcaga	1020
cgttcatatt	caggacgata	ctccctttca	tattcttcgg	cagcactggg	aacttgca	1080
aagagttcat	ctaataccagt	accagaaca	gcagagacac	ccaccaccct	gagtgagctg	1140
taaaactcat	ctaacaccag	gtcatttgaa	cgagtcagggt	tatgacgtat	gtagtctctt	1200
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caatgatgtc	agttttatct	atgcccncaa	tgaaagccag	cttggttttg	tataagatgc	1320
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aagctgacca	ggtgaatacc	tcaatctgtc	caggtgtgtc	aatcaacaca	tatttgga	1500
tggtctgggc	cttctcaata	aatttcatca	ccaatattgg	caggaaaggg	aacttcatgt	1560
actgctggat	ccaggttgat	cacatacggg	ggagtgcctt	gggcatgcag	gtgtcctgtg	1620
agcctctgta	caaaagtggg	tttcccggat	cccgccattc	ccaacaccaa	cagacacact	1680
gggtgccgcg	gacccccaga	agcctggagc	tcagcggcag	ctgcggacgc	cgccatcttc	1740
ctcctggcaa						1750

<210> 55

<211> 975

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (970)

<223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (973)
 <223> n equals a,t,g, or c

<400> 55
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 tgtgactttg caggaactga ggcattatat ctgaggacac caggggaaaa gtgtggcatc 180
 tcagggaaat acagccctgg gctgtgtcta cacacaccat gagagtgtctg atgggggagc 240
 aatagtcttg aaaatgtata aagtgtccag gaatggaagt gctctttgat tcattattat 300
 tttcttcctt catattcccc tcccagagtc tcctatctag gacatcagca ttctcacaca 360
 agcctaattg cttatctgag taagcagggc ttagaaattc actttcttga tactcagtct 420
 tgccttctaa acactccttg atcttgccca cctctccctt tttccacatg tcttttcctg 480
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 gctaaagtcc agtgtttcca gagacttttg aaagtcaact tacacttttt ccttcttcat 600
 tcacaaagct cttcttcctt gggccctggg atgtatgcct ttctctccta ctgtctaata 660
 gcacctcgta aattgtcaat gaacttttct aaggggtatt cttgaattcc caactagatt 720
 gtgagcttct ggaagacaag gctatgtctt tgattgttgt ctcccctacc acagcccagt 780
 acttttagtta cagaaaataa taaatatatta ctgattgatt gactttcctc ttgtccacta 840
 gcttttagggg ttggggggcca aattytaccc tgggattttk aaaaattcaa actgtgaaca 900
 ccacaatgtt atagagcata ttaggtagta gccagcatga agggatgttt tcttcctgag 960
 aaacagtgn aangg 975

<210> 56
 <211> 711
 <212> DNA
 <213> Homo sapiens

<400> 56
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 tgaactcctg ggcttgagca accctcctgg cacaatctcc ttgaatgatg ggtcccaaga 180
 gccagacaga acggacttcc tcccttatgc ctcatcaagt tagagagaga agagctcaca 240
 tcccccaaat gcctatgaac acataactct actgattcct gacctgacct gccttggcct 300
 caagagggcc aaatgctcaa ttccttgagt tcaaatcttt ttcctgtat tttctcacct 360
 gtgggggtcca cctctgtccc tctgactcac agaattgtgac tgccccctc cttcttatga 420
 tagtccttca gaggtctgaa gacagaaagc atatcttcct tgagtcttct ctaagttgaa 480
 tactcccaat caccaccaac agagtagtgc agtgcaggaa aagtatagtt ttgtgatcag 540
 agttgtattc aaaattccat atcacaactt actaactaca tgacctagag tatgttcttt 600
 cacctcacag aggaggagc attgtgagga ttaaagcgcc tagccaggaa taggcatag 660
 tatgtgctca ataaatgata cttctcaaga taacaatctc gtgccgaatt c 711

<210> 57
 <211> 640
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (15)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (17)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (21)
 <223> n equals a,t,g, or c

<400> 57
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 aggtacattt acctcattgt gtatataatg tttaatattt gtcagagcat tctccagggt 180
 tgcagtttta tttctataaa gtatgggtat tatgttgctc agttactcaa atgggtactgt 240
 attgtttata tttgtacccc aaataacatc gtctgtactt tctgttttct gtattgtatt 300
 tgtgcaggat tcttttaggt ttatcagtgt aatctctgcc ttttaagata tgtacagaaa 360
 atgtccatat aaatttccat tgaagtcgaa tgatactgag aagcctgtaa agaggagaaa 420
 aaaacataag ctgtgtttcc ccataagttt ttttaaattg tatattgtat ttgtagtaat 480
 attccaaaag aatgtaaata ggaaatagaa gagtgatgct tatgttaagt cctaacacta 540
 cagtagaaga atggaagcag tgcaaataaa ttacattttt cccaaaaaaa aaaaaaaaaa 600
 aaaaaagggc ggccgctcta gaggatccct cgagggggccc 640

<210> 58
 <211> 1122
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (948)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1107)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1116)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1121)
 <223> n equals a,t,g, or c

<400> 58

ggcanagcta	accgcagttc	ctactacttc	ctcttcgccc	ccaccttggt	ctacgagctc	60
aactttcccc	gctctccccg	catccggaag	cgctttctgc	tgcgacggat	ccttgagatg	120
ctgttcttca	cccagctcca	ggtggggctg	atccagcagt	ggatgggtccc	caccatccag	180
aactccatga	agcccttcaa	ggacatggac	tactcacgca	tcatcgagcg	cctcctgaag	240
ctggcgggtcc	ccaatcacct	catctggctc	atcttcttct	actggctctt	ccactcctgc	300
ctgaatgccg	tggctgagct	catgcagttt	ggagaccggg	agttctaccg	ggactgggtg	360
aactccgagt	ctgtcaccta	cttctggcag	aactggaaca	tccctgtgca	caagtgggtg	420
atcaggtagg	tgggggtgtg	gtgtgtgtga	tgtggaacat	ggctgtgaac	ctgaaccgct	480
ttccatgccc	cctcctctgc	agacacttct	acaagcccat	gcttcgacgg	ggcagcagca	540
agtggatggc	caggacaggg	gtgttcctgg	cctcggcctt	cttcacagag	tacctggtga	600
gcgtccctct	gcgaatgttc	cgctctggg	ckttcacggg	catgatggct	cagatcccac	660
tggcctggtt	cgtgggccgc	tttttccagg	gcaactatgg	caacgcagct	gtgtggctgt	720
cgctcatcat	cggacagcca	atagccgtcc	tcatgtacgt	ccacgactac	tacgtgtcca	780
actatgaggg	cccagcggca	gaggcctgag	ctgcacctga	gggcctggct	tctcactgcc	840
acctcacacc	cgctgccaga	gcccacctct	cctcctaggc	ctcgagtgtc	ggggatgggc	900
ctggctgcac	agcatcctcc	tctgggtccc	gggaggccct	tctgccccta	tggggctctg	960
tcttgacccc	ctcagggatg	gcgacagcag	gccagacaca	gtctgatgcc	agctgggagt	1020
cttgctgacc	ctgccccggg	tccgagggtg	tcaataaagt	gctgtccagt	gaaaaaaaaa	1080
aaaaaaaaac	tcgagggggg	gcccgnnacc	caattngccc	na		1122

<210> 59

<211> 793

<212> DNA

<213> Homo sapiens

<400> 59

ggcacgagat	tttcttcatg	cagtattctc	agattggaaa	catgcttcat	gtttcttata	60
aataaccctc	aattatgagg	gcgtactttt	cactttgaag	aaaattgact	tgcattaaag	120
tggctaacaa	ttctttcctg	ggcaggatgt	aaaattttcc	tctcctctaa	taccagtact	180
ggtgagctca	cattctccca	cttttcctct	tttcagggtg	ttcacgtatt	tgggatttta	240
tgaaacctca	gaagcagaca	tgttaacttt	tcttatcttt	ttattccctg	aggtagtctt	300
ggggctctta	agagattaca	gttcttaaaa	cctggaaaagt	gacaccagag	aggtagatct	360
tagttcccaa	aattaaagt	actttctagg	gcataaaacc	ttttcagaat	tcagattaaa	420
ttttatttat	tttttctttt	ttctgtaacc	ttatatattga	ggggaaaatt	ttattttcaa	480
cttttgcata	tatctaattt	aacatttggg	aaaactgtaa	atggggccaaa	gtttctccct	540
ttatatgatt	ttccagattt	ttaccacttt	cttagtgcca	cttgatgcta	ggcattgtct	600
attggagact	cactgggtacg	taactgcagg	ttttaccatg	gaaccacata	tacacatgtc	660
ttggaattga	gggttaggg	ttccagaagg	acttagttgt	cctgtgcttt	tgtctgcccc	720
atgccaaaga	ccactaagaa	cagttttgtg	agtgaaactt	gggtctacac	gttaaaaaaa	780
aaaaaaaaaa	aaa					793

<210> 60

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (547)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (549)

<223> n equals a,t,g, or c

<400> 60

gggtcgaccc	acgcgtccgc	caaatcccg	tctttaccat	ttcatatcag	gatcgttgtg	60
------------	------------	-----------	------------	------------	------------	----

tgagggaata	acttgggtttt	ctgtcctcag	tttttctcaa	tttcaatcca	tcttataaat	120
cccagcaaaa	ttaattttcc	taaagacact	tttagaattt	ctgcaatagc	tccttgagat	180
caggatgcc	gggatattca	ttctgttcat	gacactagct	agcacatttg	atcagcgctt	240
gttaaacgat	tctcaaccca	aagatcactc	ctagggaaaa	aagtctccaa	tggcttccc	300
ttgccttcat	ggtattaaac	ctgcaattcc	agagctcgat	atttaaattt	tttagggggc	360
tggaatttct	cataatactc	cttggctatc	tactaaacac	taagtactag	gcatacagaa	420
ataacagata	cacttgggtc	aggcacgggtg	gctcacgcct	gtaatcctaa	cactttggga	480
ggccaagggtg	ggtggatcgc	atgagctcaa	gagttcaaga	ctagcccagg	caacaaagga	540
tcctgtntnt	acaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aagggcggcc	600

<210> 61
 <211> 689
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (309)
 <223> n equals a,t,g, or c

<400> 61						
tcgacccacg	cgtccgattt	tctgataaga	cgattactaa	gacaaacttc	tatcctttca	60
cttagtaagc	atcatgacat	catatataat	caacctatct	ttcttcttac	ctttggcaac	120
tcggaaggct	agtgtctaac	cttgtgggtt	accctagtag	tgacatccct	tcttatgtct	180
tagtaatcgt	cttatcagaa	aatatcatat	aaaataaaca	caaagtaaac	tttttactta	240
aaaagatctg	tagatatttc	actaactcta	ttaatgcttt	ggtaatagct	atttaactta	300
taatcctgnc	ctagatcaag	ttttgaggcc	tcagtgttat	tcattccttg	ggctaagagc	360
cactgaaatg	ggataattat	tggtagagtt	acttcctcct	tttaaattgg	ttctgttctg	420
ccattttactc	tttatttgaa	attgccttct	tttaaaagtt	attcttaata	ttgtaagcta	480
tttgaaaata	ggtgagccat	aaaaataaat	attaataatg	tatttctaata	tattcttatct	540
aacaaaaata	ataataaata	tccacttttag	aaaatttgga	aaatcatgaa	ggtataaata	600
ctaaaatcga	aattctctat	aagatcaata	ttcagatttg	acctcaggca	aacacagaaa	660
ttaaagttaa	aaaaaaaaaa	agggcgggcc				689

<210> 62
 <211> 676
 <212> DNA
 <213> Homo sapiens

<400> 62						
gaattcggca	cgaggacgag	gtaaaattat	tagaatggag	tatgtcatca	ggtcttttcc	60
tagtcttttt	ctgcttcctg	tgtgtctttg	taggtttctt	tgatttccat	tggtgggtgtg	120
atatttttgg	aaaaagcagc	tgactcacat	cccatccaaa	tccccagtgc	ccttcagatc	180
cttcacaaat	ttggcattca	gcccactcct	tgccaattgc	ttcctttcct	cccaattccc	240
acatgtctct	ttcctacgcc	atctgcttct	cctcccctcc	ttcgattagt	gctttcgtct	300
gctcttccaa	tttctttcat	tgttcaatgt	cttttgcttc	ctcttcccc	tcctctcccc	360
tagaggaaat	taacatactt	aatacagctg	atgtcataaa	gccccctttc	cctaagaagt	420
taaattttctg	tttctgcaaa	ataaatacat	agctctgttg	tgtgaagggtc	aaaggaaacc	480
tgagtagtaa	acctgaaata	gatttttttg	gggttcatct	tacataaagt	gtcaatgcat	540
attatgtatt	ctattttattt	tccaaaataa	attttctatt	tgggatttaa	atatggtaag	600
tcaacacaa	tttattgtac	cagtcattgg	attgaataaa	tgacttaaaa	ataaaaaaaa	660
aaaaaaaaaa	actcga					676

<210> 63
 <211> 660
 <212> DNA
 <213> Homo sapiens

```

<400> 63
gaattcggca cgagcagagg cccggtacct ttaagctcta cctcgccaat gccctctcgc      60
ctagtaatcc gtgcacacag cctgctgttt gccatgcaga atgatggcct caagttcatg      120
gaaatggtgc tccatgtcct tcaggcaagt ataggtgttc tgttgcttat ggtggatgtg      180
ctcgagcatt ttcttgccat gctcattggc aatgcagggg ctcctttgcc actgctggat      240
gtgctgggga aggatgttat tgatgtggct gaaagaagag agagcaagaa atgaaatggg      300
tagatgggga catcagagga atgagaaaaga tgagctacca aatggtgact ctatagggtg      360
ctgagtgggtg gatgagtgcg cgttggtgaa tgggtgggtg aacagtggac ggggtgggtg      420
atgggtggag gggcaggtgg gtgagtggct ataaggggtg atgagcaggt ggggtgagtgg      480
ctatgagggt gaatgagcag gtggatgagt ggctataagg gtggatgagc atcctgggtg      540
atgtaatgtg gatgggcagt tcagtgagtg ggtgactatg acggtggatg ggtgggtggc      600
tgagtggaat tacagatggc atagatcaca ccttactttg cctttgtccc ttaacctcga      660

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```

<210> 64
<211> 735
<212> DNA
<213> Homo sapiens

```

```

<400> 64
gaattcggca cgagcttctt ataacctaat ctctgaagtg atatcatcac ttctgctata      60
tcctgttcat tagatgtgag tcagtaagtc cagcccactc tcaagggaag ggggtgtgaat      120
atcaggaagt ggggaatcac tgggggttatc ttagaggctg ctaccataac ggaggaatat      180
tggcatcttt attttcatta acctctaact ggcttttagtg tcacattcta caataaatgt      240
aggcaacaag tcaactgtgg atgaacagca cctgtgggtt tghtaaccagt ataaatcaga      300
tatttcttat tattttatgg tkgttgtacc tgcctctact taccactact ttggaaatat      360
gggagttatt agmcctactg cactagattt tgttatatta tatataaaaa gaaattcaca      420
ttactataca acaacttaaa aaatgcttgg acaaaaactat tttattttgta actttttgta      480
ttttgtttta tgagatgtaa aatattattc tgagaggtga tccacaggta ttaccaaaact      540
gttaaggcgt ttgtgacaca aaaatattaa gaatccctaa gcaagtgata ttcaaagtgt      600
ggttctggga acagcagcat caacatcacc tgggaactag tctgaaacgc aaattatcag      660
gaggttcctt cctgaccta ctgagtcaga aactctggcg gagggacca gcaatctgtt      720
caaatacacc ctcga

```

```

<210> 65
<211> 570
<212> DNA
<213> Homo sapiens

```

```

<400> 65
aaacgacggc cagtgaattg taatacgact cactataggc cgaattgggt accggccccc      60
ccctcgagtt gaattagaga aaacgacatg gacacacgtg gagtgggttt aaggagcgga      120
gagtttaata ggcaagaagg aaggggagaag acagaaggaa gaagctcctc catatggaga      180
cagagggagg ggggctcaa agccaaaaga ggaggtcccc aagtgcagtg gacaccagcc      240
aagtatatat gcagaggctg gaaggggcga tgtctgattt acatagggtc caggggattg      300
gtttgaccac gcatgttatt cacatagccc actaaaaagc tggtctctcc accctagtct      360
tttaatatgc aaatgcaggg agccatggat gttctacaca tgtggggata tttggggatg      420
ttctacacat gtggggcgcc catgttgcca ggaacatgtg aggcaagggt aagaaggcct      480
tggaattgca catgttgggt ggacccagtt tctaattggc tgcatttgca tatcaaaggt      540
tgctcgtgcc gaattcctgc agcccggggg

```

```

<210> 66
<211> 840
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (326)
 <223> n equals a,t,g, or c

```
<400> 66
gaattcggca cgagcttttt cattatcttt accttaatct cttagcatat gatttatgga      60
ctggaatggg gagtgatatc agtgggcaaa aacaatcatt agaggctgtt aaggaacatt      120
tattgtttat ttggctacct gtctataaaa gtacacatga aggccctaata agcaaaatat      180
caaattatca agtgcttttaa agcagaaaaat gtcatttggt tctcaaaact gcaccaactt      240
tatataattg cctttttaat tatccctagt ggcccgtaga atttgcaaaa tagagcatca      300
aagcttgatt tacttacagt tgcacnttgg cgggacttta atgaatattg tttagtacta      360
atgctgagat ggaatcgtaa atgtttatag tgagggactt acttagaaga gtggggaggc      420
cagtaatgaa actgaatcaa ctgggttctt caagatggaa caatatggcc atattcttgg      480
gcctaacatt ttgaaaaatt ctttttatag tggaatttta tttttaattc aggtctagat      540
gaatacacat taagtttagt tttgcagaat cttttttttt ctgcctagct atcttattac      600
tttccaaggc cttttgagga gtaatttggt tcctggcaat ttcggattaa aatcacctgt      660
ttcttcataa attgtcatct tcaaggtaac actgagaact ggatctctga aatctcatgt      720
tttcgagatg atttttatag ctgcagacct gtgggctgat tccagactga gaggttgaagt      780
tttgtgtgca tcatcatgtg ccattaaatg aaaaaaaaaa aaaaaaaacy cggggggggg      840
```

<210> 67
 <211> 1323
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1086)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1087)
 <223> n equals a,t,g, or c

```
<400> 67
gctgaagatg gggtcacctg cagggcacgg tccatgtccc tcacgctggg aaagaatatg      60
cctgcgcgga ggtcagcgtt gctgtggttc ctaagtttaa tgccctgaat ctgcctggcc      120
aaactcccag ctcatcatcc attccctcct taccagcctt gtcggaatca cccaatggga      180
aaggcagcct acctgtcact tcagcactgc ctgcactttt ggaaaatgga aagacaaatg      240
gggaccaga ttgtgaagcc tctgtcctg cgctgacctt gagctgcctg ggaggagctt      300
agtcaggaga ccaaggccag gatggaggaa gaagcctaca gcaagggtt ccaagaaggt      360
ytaaagaaga ccaagaact tcaagacctg aaggaggagg aggaagaaca gaagagtga      420
agtcctgagg aacctgaaga ggtagaagaa actgaggaag aggaaaaggg cccaagaagc      480
agcaaaactg aagaattggt ccatttctta caagtcattg atcccaaact gtgtcagcac      540
tggcaagtga tctggatgat ggctgcagtg atgctggtct tgactgttgt gctggggctc      600
tacaattcct ataactcttg tgcagagcag gctgatgggc cccttggaag atccacttgc      660
tcggcagccc cagggactcc tgggtggagt caggactcca gcatgagcag cctacagagc      720
agtaggaaac ctcacaccta gccagtgcc tgctctgaga cactcagact accacccttt      780
ccccagtat aacgtcaggc ccaagtgtgg acacactgcc gcccatccca tcaggtcatt      840
aggaagggtt cttttaacac tcggcacttc tgtgggagct attcatacac agtgacttga      900
tgttcttggg ggatcaacaa aactgccctg ggaaagcatc cagtggatga agaagtcacc      960
ttcacaaggg aactctattg gaagggaagg tctcctgccc ctagctcagg tggctgggga      1020
gaactaaaac accttcactg gtggttgggg gtaaggagcg gggcacgggg gaggaggagg      1080
tagggnnncag taaaaaactt actctctttt ttctctctct taattgggta tcagggaagaa      1140
tttgcttaat gactaacacc ctaagcatca gacctggaat ttggagttgc aaagtgacta      1200
tcttcccatt tcccatctca ttttcaataa cttcagcctc ccattctttc ctttgggaatg      1260
agagtttctt ttacagaag taggaaaggc ttctcagaaa aaaaaaaaaa aaaaaaaact      1320
cga                                          1323
```

<210> 68
 <211> 712
 <212> DNA
 <213> Homo sapiens

```

<400> 68
gaattcggca cgagagcycc ctctccatgg gataccctgt ggggcacttc agagtcccca      60
ccagcaagaa ggctctctct caccagatgt gccccccgcc aaccttggat gtctcagtct      120
ccagaactca gatgagccag ctcccttggtg aagctgtaag aacatggtac ttacaggagt      180
aaggctcatg aagtggagag atgagaagac ttctgggaca gattgtgtgg aggctgtcat      240
tctcctcgtg acattgctgt gggagaagaa ggaggcattc catgttggct tcagtgaaga      300
acttcagtat tttccagaga gaagtactga gaagcttaaa gtatttgaat gggaggagga      360
gaagcaaaact acagctactt cagaggataa cactaaacac ctagtccact ctgtatacac      420
tagagggtgct gttaattttc ttgtggagaa ggaactgtct ttagaaaaat atctcaaaaa      480
gccactgaag tagaaagttt cagcatgctg aagatggaac ttgagaagat agaaagttct      540
gggtccttag tggcatgact gagtcgctgg accactgttg gaaccaccct atgtcttagt      600
ttttaaatct ctttactgtc taagacattt ttagtggaag tatttatctc tggcatccaa      660
taagaccttt aaggatttgc agtttttaaaa aaaaaaaaaa aaaaaaactc ga      712

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<210> 69
 <211> 884
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (307)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (356)
 <223> n equals a,t,g, or c

```

<400> 69
tcgacccacg cgtccgccgg atggttgcca cccctcctgc tgtaggatgg aagcagccat      60
ggagtgggag ggaggcgcaa taagacaccc ctccacagag cttggcatca tgggaagctg      120
gttctacctc ttcttggtct ctttgtttta aggctgggt gggagccttc cttttgggtg      180
tctttctctt ctccaaccaa cagaaaagac tgctcttcaa agtggagggg cttcatgaaa      240
cacagctgcc aggagcccag gcacaggctg ggggcctgga aaaaggaggg cacacaggag      300
gagggangga gctggtaggg gagatgctgg gctttacctt agtctcgaaa caaggnggca      360
gaataggcag aggcctctcc gttccaggcc catttttgac aratggcggg acggaaatgc      420
aatagaccag cctgcaaraa aracatgtgt tttgatgaca ggcagtgtgg ccgggtggaa      480
caagcacagg ccttggaatc ccaatggact gaatcagaac cctaggcctg ccatctgtca      540
gccgggtgac ctgggtcaat tttagcctct aaaagcctca gtctccttat ctgcaaaatg      600
aggcttgtga tacctgtttt gaagggttgc tgagaaaatt aaagataagg gtatccaaaa      660
tagtctacgg ccataccacc ctgaacgtgc ctaatctcgt aagctaagca gggtcaggcc      720
tggttagtac ctggatgggg agagtatgga aaacatacct gcccgaggt ggagttggac      780
tctgtcttaa cagtagcgtg gcacacagaa ggcactcagt aaatacttgt tgaataaatg      840
aagtagcgat ttggtgtgaa aaaaaaaaaa aaaaaaaaaa aaac      884

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<210> 70
 <211> 648
 <212> DNA
 <213> Homo sapiens


```

<400> 70
gaattcggca cgaggcaata tttgcctcac ccaacaccac aaagattttc ttctgttttc      60
ttctagaact tttttagttt tagggtttat atttagggtc gtgatccatt ttgaatcaat      120
attagcatat gaggcaaaagt ggagatcgaa gtttttattt ttccttatga ataccagtt      180
gttccaacac cacttattaa aaacactata ctttatccac tgagtttggt ttgtaccttc      240
atcaaaaacc agttttcaat atatctgtgg attaaatttt ttatttttat gtttattttt      300
agagacggtc tcactatggt ttccaggctg gtctcaaact cttgtcctca agtgatcctc      360
ccatcttggc ctcctgagtc gctgggagga tcaggcagga ggatttcttg agcctgggag      420
gttgaggctg cagtga gccg agattgctcc actgcacttc agcccgggca atagagtga      480
atcctatctc aaagaaaaaa agagttattg tggtatatct tttttaatcc attttctttt      540
aaccctttat atccttatat ttaaactaga gtttctgtca agtgcactcc agcctggtga      600
caaagcaaga ctccgcctca aacacaaaaa aaaaaaaaaa aaactcga      648

```

```

<210> 71
<211> 547
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (5)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (22)
<223> n equals a,t,g, or c

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```

<400> 71
gggcncccc aaaattcccc cnrggttttt tttttttttt tttgttttca agaagaaaga      60
agcaatgcag caaagtgggtg cagaacacag gagctggagc cattcagacc caagtccaac      120
tcttgacctc gcccaactttc tctacagtcc tgagcaatta cacctgccaa gcaccttccc      180
aatggacaga ctggcaggcc ctactcccaa caggcatcca gactgagcat caccaaggat      240
gggacaaaaca gaagcaatgc aagaggaaat gcgaacacga acatgcacca ctacaccaca      300
acctatggaa acaatcaggc aaaacaagac taggagacat atgacaagaa aacaggcctg      360
gacgcttcaa aaatgccaat gtcacgaaag acaaaaactg ggcatgctct tctggatcaa      420
aggagactaa agagatatata caaccaaaca caataaaact atcctagatt acatcctgga      480
ttttttaaaa gcaaaaaaga acaatttggt aacaactggg gaaagtgtta atgtggctac      540
attttaa
547

```

```

<210> 72
<211> 1025
<212> DNA
<213> Homo sapiens

```

```

<400> 72
tttttttttt tttttttttt tttttttttt ttttttcaaa tccaactttt atttattaaa      60
ttaaaaaaaa aagactccac aaagggcctg atcccttcca ttccacaatg ttctctcccc      120
aagctccagc ggctttaacc ctttaacttg gggccttgag acagcagggg acagaaaagg      180
aggatccaac gttacaggaa aggcacgaag cggctttaaa agtcaactgga ggtggagatg      240
ggagcatcca aagtcccagg gtgggggtgc gtggatgcac caccagatca gcttgggggc      300
ctctgtcctc ctagtctttt aagtctcttc tcagggtctc taggcaccag atctagcata      360
gtgccttgca cagagtaggc actcaatata tacttgattt atttgaatct gatcctagag      420
aaagccttcc ccaccattc ttcaggaggt gcacccccaa accaatgtcc tcctgttaga      480
tggtcttccc caaagagcac atctaagatg gcagctgcaa gctctccata accatggcaa      540
caggggatta acctgatggg gtcattggtg ctaaggggtg gggcagtgga ggaacctgct      600
ctgcagtcaa gggagatggg gtacattcca gtccttctcc cctccatagg acttgaggtt      660
tcacagcttc tggctggggc tggggatatt agggatcccc ctaatcaaga gataccccat      720

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caactgttta	gcagagatgt	agctaacc	caattttagag	acttcattac	aagagaaacc	780
ctatcaactg	agattctgat	gatagacatt	ctattaacaa	gatcttctcc	actaacattt	840
tgtctatata	gagatgcatt	tgactagaat	ttccttagca	gaaatggatc	cacttccctc	900
cccagctcac	tctacctgac	ccgtcatcat	aacttacata	aatagaatta	ttactattca	960
ttactcctgg	tacatagggg	ttaaatatac	aggcctgggg	gcagcctccc	tgaccctctc	1020
gtgcc						1025

<210> 73
 <211> 507
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (10)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (48)
 <223> n equals a,t,g, or c

<400> 73	
ctcgaantan	ccccactaag ggaacaaagc tggagctcca cgcggtgncg gccgctctar 60
aactagtggg	tcccccgggc tgcaggaatt cggcacgagc ttttccaaaa tggctgtact 120
aatttacatt	cccaccaaca atgttcaagg atttcatatt cttgacattc ttacccaaat 180
tgtcacagtt	tgtaaaagggt agtctaataa gtggcctaag tgaatgtgac aacacttcat 240
tgaaagcaat	cttaggtttt tccaactata gtcaataata acttaattgt acattctaaa 300
ataactcaaa	gagtgtaatt ggattgcttg taacttaaag gataaatgct tgaggggatg 360
gatgcctcat	tctccatgat gtgcttattt cacattgcat gcctgtatca aaacattaca 420
tttatcccat	aatatacaca cttactatgt acccccacaaa aataaacatt aaaattaagt 480
tttcaaaaaa	aaaaaaaaaa aactcga 507

<210> 74
 <211> 736
 <212> DNA
 <213> Homo sapiens

<400> 74	
tgcagttttt	tttttttttt tttttgagac tgaatttcac tcttgttgcc caggctggag 60
tgtaatgggt	caatctcggc ctgggcgaca gagcgagact ccgtctcaaa aaaaaataaa 120
taaataaaat	aaaattaaat taaaaaaaaa aaaaaaaagt ctgctttgaa aaccagtatc 180
catagacttc	tggcagtcac ttctgggggt taattttgga tgtgacaaag gtttgtttcc 240
actggactta	attttttcac atcgctctaa cttttgaaaa cacagatata gtcccttttg 300
tgaataaaat	gaaaactcga gcctaaattt aaaggcatag atatttcctg gacttccagg 360
acagtaatat	catgtactac tttgtcaaaa aaattttctg gaggtttttc tagaggaaga 420
aactaagata	acaacaacaa aaaagacaaa tccaaatgca ttacttgaag agcgactact 480
catgtttcta	gagaattttt tggctcact atgtcatggg gttatttcct gggggcttca 540
gttctgcttc	agaatttctt tagtagttat ctactgaccc catctggtaa aattatagag 600
gaagttacag	tcgttaaagc ttctgtcaac tcgatttcta aaaattttat gtaaagagat 660
attttaagag	aaataagaaa ataggagatc agggcaaatg aatctaaaga tctttagctt 720
tactcgtgcc	gaattc 736

<210> 75
 <211> 514
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (507)
 <223> n equals a,t,g, or c

<400> 75
 aggcagacgt agaactagt gatcccccgg gctgcaggaa ttcggcacga gccccagcta 60
 ggaagaaaaga atggcactct tgggcttggc ccagaattag agttattaga gcaagagaga 120
 gcttaggaag catgagggca actatagtga ggccttattg ccaggaggga gggttttggt 180
 tgctggcgct tgtgtataaa ggggcaagag cagctccttt ggactattcc tgggaggact 240
 ctgatgcagg gcgtctgttg ctcccctggg tcacctctc cctgctcgct gacatctggg 300
 gctttgaccc tttctttttt aatctacttt tgctaagatg catttaataa aaaaaaagag 360
 agagagagag aggtgtgagg gacaaaatgc aaacctattt cccttgccctc ataggcttct 420
 gggatgtcat cacctccagt ttgttgggtt tgtttccaac tgtaataaaa gcattgaaac 480
 agtaaaaaaa aaaaaaaaaa acaaaaanaaa aaaa 514

<210> 76
 <211> 1203
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1165)
 <223> n equals a,t,g, or c

<400> 76
 gtggactctg gctgtccttg ggtgggttcc atgagcgtgg ccaagactgg gagcagactc 60
 agaaaatcta caattgtcac gtgctgctga acagaaaggg gcagtagtgg ccacttacag 120
 gaagacacat ctgtgtgacg tagagattcc agggcagggg ctatgtgtga aagcaactct 180
 accatgcctg ggcccagtct tgagtcacct gtcagcacac cagcaggcaa gattggtcta 240
 gctgtctgct atgacatgcg gtccccctgaa ctctctctgg cattgggtca agctggagca 300
 gagatactta cctatccttc agctttttgga tccattacag gcccagccca ctgggaggtg 360
 ttgctgcggg cccgtgctat cgaaaccag tgctatgtag tggcagcagc acagtgtgga 420
 cgccaccatg agaagagagc aagttatggc cacagcatgg tggtagacct ctggggaaca 480
 gtggtggccc gctgctctga ggggccaggc ctctgccttg cccgaataga cctcaactat 540
 ctgcgacagt tgcgccgaca cctgcctgtg ttccagcacc gcaggcctga cctctatggc 600
 aatctgggtc acccactgtc ttaagacttg acttctgtga gtttagacct gcccctccca 660
 cccccacct gccactatga gctagtgtc atgtgacttg gaggcaggat ccaggcacag 720
 ctcccctcac ttggagaacc ttgactctct tgatggaaca cagatgggct gcttgggaaa 780
 gaaactttca cctgagcttc acctgaggtc agactgcagt ttcagaaagg tggaatttta 840
 tatagtcatt gtttatttca tggaaactga agttctgttg agggctgagc agcactggca 900
 ttgaaaaata taataatcat aaagtctgtg tctggacatc gcctttggga actagaaggg 960
 gagttggtat tgtaccagct ggactaagct ccagttctag acctcctggc tcattcaaca 1020
 tgcctcccta cctaaataaa agtgcaacac tcagtgcattg tcccagcccc attctcccaa 1080
 gcatgggagt gggcgtagga gtggaggagg ggggaaggaaa aaggaattac ttcacttaca 1140
 cctatgatgc cctttgccca agccngaaga aagcaaaggg gaaaaggggc tgcagggtac 1200
 att 1203

<210> 77
 <211> 512
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (483)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (487)

<223> n equals a,t,g, or c

<400> 77

gtggatcccc	cgggctgcag	gattcggcac	gagtctgact	ggaaggggtg	aggtgtgcag	60
ataatttttac	ttttcaacta	cagaaaagat	gtatctgggt	aaagaaaatc	atgcatttaa	120
ctacatcaat	gcagcctatg	aacaatagcc	tgtgaccata	actagatata	tcaccaacgt	180
ggcagctctt	cctaaccaaa	agatcaaata	aaaactctag	tggcattttc	ctatcactca	240
cagaacaggc	taagcttccc	acctggagta	gacccggagc	ctagaactca	taaaaatttt	300
taaaaatcaa	acaaaacatg	aaagtacaaa	gtttctacaa	aactcttata	cctctcctga	360
caatatttat	gatggtggca	ttagtgaatt	ttactggaaa	aaaaaattcc	caaaactata	420
cagctggraa	tataagctca	cttccaaagg	ataaaacagt	taagacgaga	ttaggataaa	480
ttnactnaca	aaaaaaaaaa	aaaaaaactc	ga			512

<210> 78

<211> 687

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (57)

<223> n equals a,t,g, or c

<400> 78

aattcggcac	gagaaaaaat	aaaaaaaaata	agccagggtg	ggtggtgggc	acctgtnatc	60
tcagctacgt	gggaggctga	ggcaggagaa	tctyttgaac	ctaggaggca	gaggttgcag	120
tgagccaaga	ttgtscagc	ctgggcgaca	ggtgaggctc	ttgtctcaaa	aaaaaaagtc	180
cacatcttca	tgaaccttca	gactctggag	ttgggtgtcg	gcttttttag	ccagcttttg	240
tgggaattgc	ctttgacctt	ttaaagaagg	aaagtgggta	atggagtccc	agccactcaa	300
gagactggat	atcccccgag	aatggcttgg	gttaccagct	atggaccctt	ggaagatgaa	360
tctaatacctt	ctcactgggt	tttctttgca	aattcatttg	cttttatttt	tctaataaca	420
ataaaactcta	ttttccatgt	tctcagggcc	cctgggtaga	cagacacagc	ttgatttcag	480
agcagacata	ggcgaagaaa	acatggcatt	gagtgtgctg	agtccagaca	aatgttatatt	540
atatacacat	ccaaatttga	agagaaaatg	tatttcttta	ggtttcaaac	actgtaatat	600
atataaagca	aaaataaaaa	cctgttgcaa	agttcaaaaa	aaaaaaaaaa	aaaaaaaaaa	660
aaaaaaaaaa	aaaaaaaaag	ggcggccc				687

<210> 79

<211> 2232

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (715)

<223> n equals a,t,g, or c

<400> 79

ctcccaggcc	cgcgaaacttg	gccattcagc	cgccgctgtc	cccgtctgcg	gccctcgcgc	60
ctctgcctga	raagccaggc	gctgttcccc	caccccagaa	gaggatggca	aaggtggcta	120
aggacctcaa	cccaggagtt	aaaaagatgt	ccttgggcca	gctgcagtca	gcaagagggtg	180
tggcatgttt	gggatgcaag	gggacgtgtt	cggtgttcga	gccacattca	tggaggaaaaa	240
tatgcaagtc	ttgcaaatgc	agccaagagg	accactgcct	aacatctgac	ctagaagacg	300
atcggaaaaat	tggccgcttg	ctgatggact	ccaagtattc	caccctcact	gctcgggtga	360
aaggcggggga	cggcatccgg	atttacaaga	ggaaccggat	gatcatgacc	aaccctattg	420
ctactgggaa	agatcccact	tttgacacca	tcacctacga	gtgggctccc	cctggagtca	480
cccagaaact	gggactgcag	tacatggagc	tcattcccaa	ggagaagcag	ccagtgcacg	540
gcacagaggg	tgtttttacc	gccgccgcca	gctcatgcac	cagctcccca	tctatgacca	600
ggatccctcg	cgctgccgtg	gacttttggg	gaatgagttg	aaactgatgg	aagaatttgt	660
caagcaatat	aagagcgagg	ccctcggcgt	gggagaagtg	gccctcccgg	ggcanggggtg	720
gcttgccaag	gaggagggga	agcagcagga	aaagccagag	ggggcagaga	ccaytgctgy	780
taccaccaac	ggcaktytca	gtgaccctgc	caaagaagaa	gcgtgctagc	cagtcccact	840
cgtgtgataa	cccattaatc	tattaagcca	taagtggatt	aatccattcc	tgaggacctg	900
agccctcacg	acccaatcat	ctcttaaagg	ccccacctct	caatactgcc	atgcagagga	960
ttatgtttca	acctgagtg	ttggagggga	tggtcaaccc	ataggaagtg	gcagtgtgga	1020
agaagtgtcg	ctgaggagtg	agtcactggg	ggccattttg	agaaaacaga	aaggagaagc	1080
cagagttggg	gagatgaaa	cctcatggct	tggtttgtct	taaactgccc	cacagaaggc	1140
gaaaggaatg	cttgaggctg	gaccacgtgg	gtctagcgtg	tactgcgttt	ctgggtcccca	1200
gcccctgttt	taccttttgc	tcctcctgcc	ccatcaacca	agtgtcttca	tttgtttcta	1260
tggcaattaa	cttttgaga	tagaagtccc	agcacacgag	atccccaagc	acattatcta	1320
ccttgctgaa	caggctggca	gtcacacatg	agccaggcga	cccaggga	tgccagccca	1380
aacgaagctg	ctgccacatc	cagagagggc	cggactcttt	ctcccttgta	gtcactcaag	1440
ctaatacatcc	aaaacctgca	tcctccatct	ccaagcccca	tcttattagc	accatctggg	1500
attgccaaac	aagaaactgt	tttatctgag	aactctaaga	ccaaagaaca	agatttattt	1560
cctctactac	agattttggca	gtgacgcata	aaaggcccat	ttctcaggaa	gaatacatgt	1620
cctaaggatg	taaaaaaaaa	aaaaatatta	gatctagtta	ccatggkcta	taaactggtc	1680
ttttcccgcc	ccaccctgat	cctggcttct	gtccaccctc	aaatagctgt	ttgktcataa	1740
accataaata	ctagataaatt	ctaagttgga	aggagacctc	taagtcactg	tagcatttcc	1800
aaatcgccat	tcccaagaga	catgtggatc	tgacatcgtg	ttttattctt	gactgagcct	1860
cgayattttg	ttctgtgtgg	aacaaaggca	aaggcagccc	aagaaccggg	gtccttgctt	1920
acagtcagct	ttaggaaatg	attgtgaact	tgggaagcat	ttaaatagca	atactagaca	1980
gtaaatggaa	aaggccaaag	tcagaaaata	agtagggatt	ccaaagggaag	cctttatttg	2040
ttgggctagg	ctgggctagc	tgtggaagat	agacttctat	gtccctgccc	caaccacaat	2100
tttactttta	ttattatgta	attagtgaat	cgatgtctgt	caccgtctgt	agatgctgag	2160
gtcttgttca	tctctttatt	tgcattgata	tacatagcca	ttgtcaata	aatatgtgac	2220
ccatgaaaaa	aa					2232

<210> 80

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (7)

<223> n equals a,t,g, or c

<400> 80

ggaattnccg	gggtcgaccc	acgcgtccgc	ccacgcgtcc	gccacgcgt	ccgcaaatat	60
attggcagga	gattatccag	aacatctagg	tgcaggtaaa	cagttctaag	tccaagaagt	120
tatggaggga	ttgatgctac	cacttctaag	tgttatttat	tctgaaggaa	ctgtatggga	180
ggagatcatt	gtttctggaa	gacagtacta	ttagtatat	agatggttct	ttctggttct	240
gaatgactaa	tcagtcattc	agtcaataac	actgaccacc	tactatatgg	tagtcattgt	300
tctaggtatt	gagcatgtaa	tgggtggaaga	taaatggcag	atgagaatcc	tgcatttaga	360
accttaagtc	tgattggatg	gcggaagaaa	tatagttgat	aagcataatt	ttaggtagtg	420
attcatttcc	aaaaaaaaaa	aaaaaaaaagg	cggcc			455

<210> 81
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 81
 tcgagccccg gctggcgggc ctggctgctg ggtctttgtc ttctagggttc ctctttctcc 60
 caagaagggc taagtggatc ctgtgaaggg agggatgcag tggggggaag gagctggccc 120
 cagctgggtt tacattctca gctgggacag cagagcctca ctgtgtatgt gtgcagccag 180
 cagatacctg tgcacaggca cagacccacc aactcgtggg gacacttcaa caccgcacaa 240
 agccattttg ccactagacc catgccccca aattagcaga actgctcgtg ccgaattcct 300
 gcagcccggg ggatccacta gttctagagc ggccgccacc gcggtggagc tccagctttt 360
 gttcccttta gtgagggtta atttcgagct tggcgtaatc atggtcatag ctgtttcctg 420
 tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc ataaagtgtg 480
 aagcctgggg tgcctaata gtagagctaac tcacattaat tgcg 524

<210> 82
 <211> 838
 <212> DNA
 <213> Homo sapiens

<400> 82
 gaattcggca cgaggagcca ctgcggctgg ccaagatgct ttatattctt ttaaaaccat 60
 tgttggtgtc atctgttaac tgcacaaata tttaccaaat gcttaccaag agccaaggac 120
 tagacttggc actgggtaga aactagtaag gcatggctct tcttctacat agaatcttag 180
 catttttagag atgagttccc agacatggtc cagaagggtca cagttcacac cattaggcaa 240
 ggcagtattt gaaataaaaag tcatgtctaa tactaaatcc agtatgttct ctcttcagg 300
 attttactct cattgctgcc ccttggtttg ctatgctctt ccccagacag ctgcacagct 360
 catttaattt agatctcatt taatttagat ctctcaatta atttagatct ctgttaaaaa 420
 aaaaaaaaaa ccctaggcag caagggtctaa catatcatcc tcaaattaaa gagaaagccc 480
 tttggtgtta tttttcttta tagcacttac caactcccag tagaatgtaa actccagtag 540
 ggcacatata tttgcctctt ttatttactg ctctattccc agcaccagaa cagtccttgc 600
 cacaaagtag gtgctcaata aacatttggg gaatgaatta acctagtgtt ctttttacct 660
 acacatgcac acacagagcc atgacactcc tgccgaggaa gctcgcggct ctaagagggg 720
 cattaagaa aagccaattc agtgcctgcc aaagagtaga acatgttttg acagcaggat 780
 cagcttgggt ggtggacca caatgggttg cagaccaaga aaaaaaaaaa aaactcga 838

<210> 83
 <211> 559
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (9)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (35)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (42)
 <223> n equals a,t,g, or c

<400> 83
 ccntgattnc gccaaagctcg aaattacccc tcacnaaggg ancaaaaagct ggagctccac 60
 gcgggtggcgg ccgctctaga actagtggat cccccgggct gcaggaattc ggcacgasca 120
 cacttgtagc ctgtaacctc atctacttct gatgttttta aaaaatgact ttttaacaagg 180
 agagggaaaa gaaacccact aaattttgct ttgtttcctt gaagaatgtg gcaacactgt 240
 tttgtgattt tatttgtagc ggtcatgcac acagttttga taaagggcag taacaagtat 300
 tggggcctat tttttttttt tccacaaggc attctctaaa gctatgtgaa attttctctg 360
 cacctctgta cagagaatac acctgccccct gtatatcctt ttttccccctc ccctccctcc 420
 cagtggtagt tctactaaat tgttgtcttg ttttttattt ttttaataaaa ctgacaaatg 480
 acaaaaaaaaa aaaaaaaaaa aactcgaggg ggggcccgtt acccaattcg ccctatagtg 540
 agtcgtatta caattcact 559

<210> 84
 <211> 1263
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1091)
 <223> n equals a,t,g, or c

<400> 84
 ggccgccttt tttttttttt ttttttttaa aaacaaaaca ggttttaatg gttaaaacag 60
 atgaattaat aggtttataa taaccattaa ctaagggaag ccctagaaca agaaataagg 120
 atttttaatt gcatgcaaaa cctagttacc ataaaaacca atgcaatacc aaaatatctc 180
 agcttcctag catagactcc aggtcctttc atttccaata cttggcagtc ataatatgta 240
 cactttcata tgcacctggg tgtggaggga taagctcatt cacataggac taaaaatata 300
 tctcacaggg aggagggcac aaaagaacaa tatcttcctc cacttttttg ggtccatctt 360
 gaaaaacaaa aaaggcactc ccaaagggtc cttggttaaca cctttgtag gtttcttaat 420
 tactaacata atctttacat gtaagggtta tgggtccactc atttcataga tctgggaacc 480
 atcaggcatt ggaactgcct ttaactcaca tgccaaacaa ctggccttct taaacaatga 540
 caaaaactgt atacttgttt taaaaacatt tgggcctttgt ttccykgaca acttatatat 600
 gcttaatcac tggacttttg catgcagagc caaacatatc atggaactga aagaaccaca 660
 atatgacatg gtgacagaag actccttgaa tcattattct gttttccact atcagctgct 720
 ccagctccct tatactaata caactttgtc cctcagagca cccatgctct gaacctagg 780
 ttaatctctc tgcgtgaaaga tttattaaag atacttagat aaattaccaa gtctttctct 840
 acgatcatca aagagtaagg gaagtcaaat gctcatgggc agttgtccac tattcacaga 900
 atcttttaga actatttgcc tgaggccaag gagaatttgc tttatcacta aatctgaccc 960
 atgttgagcc atactaaaac tgcacttggg tactagtctc aaatcaaatt gagcttatgt 1020
 attgctctac atttattgca tcccatgctg tgtgcaattt ctgatgctga ataagagaaa 1080
 tacggcaatt naaaggcttc accacaagcg tcacattcca tgggtttcct tgggttttca 1140
 cctctgcatg gatcttctga tggttgacaa gatgcgctgt tgactgaaac tttgtcgca 1200
 cttctcacac ttataagggt tctctcctgt gtgtattctc tgatgctgaa taagaccgga 1260
 gtt 1263

<210> 85
 <211> 515
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (20)
 <223> n equals a,t,g, or c

<400> 85
 tanntgnatc cccccgggcn tgccaggaat tccggcacgag ttacaactgg tggaccacac 60
 accaggcaact aatcacctgg tgaggatttg gcatatccac caaaaaatgc atccgattta 120
 accaacaatct ccaccagcgc tacggactcc tcccaattct gacatctctt gcagacaata 180
 ctatgctctc tacacactgt ttagaaatgg aaagggtgatc tgcactgtat cttgggtttg 240
 ttggctatgc ttcctttgat gacatatatt atacagtata tatatacata tattttwww 300
 gttagagttc tagccathtt atttctccgc aggggtccttt ctcagacatt actgcatgct 360
 gtatatggcg ttagctgtgt gttgatcttc taaaagatga tagagtttac tggtaattgt 420
 gtaatcagct cctgcctttt tattttcttg ggttatttac atgtcagaga catttataaa 480
 aagtgaagg ataaaaaaaa aaaaaaaaaa ctcca 515

<210> 86
 <211> 2476
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (853)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2227)
 <223> n equals a,t,g, or c

<400> 86
 actcaagacc ctgtgcacct ctcagcaggc ctttgctgga cagatgaaga gtgacttggt 60
 tctggatgat tctaagaggt tatcaatact ctggctgacc atcgtcatcg tgggactgac 120
 tttggtggaa gtccttggtt acttatcatt actgtgtttc tgagaagtta taaatttgcc 180
 atctccctct gcacaagtta cctttgtgtg tctttcctga agactatctt cccgtctcaa 240
 aatggacatg atggatccac ggatgtacag cagagagcca ggaggtccaa cygccgtaga 300
 caggaaggaa ttaaaattgt cctggaagac atctttactt tatggagaca ggtggaaacc 360
 aaagtccgag ctaaaatccg taagatgaag gtgacaacaa aagtcaaccg tcatgacaaa 420
 atcaatggaa agaggaagac cgccaaagaa catctgagga aactaagcat gaaagaacgt 480
 gagcacggag aaaaggagag gcaggtgtca gaggcagagg aaaatgggaa attggatatg 540
 aaagaaatac acacctacat ggaaatgttt caacgtgcgc aagtttgccg cgccgggcag 600
 aggactacta cagatgcaaa atcaccctt ctgcaagaaa gcctctttgc aaccgggtaa 660
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<210> 87

<211> 1722

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (413)

<223> n equals a,t,g, or c

<400> 87

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cccagcagag	grcaaaaagc	ctctcactcg	gatgacagga	caccaagctc	tcataacca	240
gggtgtcttc	tctcctgact	cccgcatcgt	ggctagtggc	tcctttgaca	agtccatcaa	300
gctgtgggat	ggcaggacgg	gcaagtacct	ggcttcccta	cgcggccacg	tggctgccgt	360
gtaccagatt	gcgtggtcag	ctgacagctg	gctcctggtc	agcggcagca	gtngacagca	420
cactgaaggt	gtgggatgtg	aaggcccaag	agctggccat	ggacctgccc	ggccacgcgg	480
atgaggtata	tgtgtttgac	tggagtccag	atggccagag	agtggcaagt	gggtgggaagg	540
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tttccaaacc	atccttgtat	aaactgctca	gaactaraaa	aaaaaaaaaa	aaaaaaactc	1680
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<210> 88

<211> 1128

<212> DNA

<213> Homo sapiens

<400> 88

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gaatgagttg	tatagttttt	tctatcacat	ttcatctaaa	atgatttgaa	ggacttttga	180
agattttttac	caacatcctt	aaatcaactc	cagggttgat	gaacaactga	tttaaaacaa	240
actaagagaa	cattaactag	atgtgggctt	tttaaaatat	ataggtattg	catttcctac	300
cttggtattt	attccacttt	gaatacttta	gagggcttaa	ctttcaactc	tttaaggtag	360
taatggatag	ttttataact	gttctcacia	aattgttatg	gtcagtttat	atcattgctc	420
catgcattga	ttataaaaa	tcagtattaa	ttttttctga	tcttataagc	tttataggag	480
ttttcttttc	tcttataaa	tgtttcacct	tatgtaaaac	aaatgcctgc	ttgcatattg	540
gaagatgttg	aaattagttt	tagacaaaag	tggtccatca	attcagacac	tctgcttgga	600
tgctttaccc	ttttcattag	tgcatctctt	gcttctgaaa	cttggcagaa	actcgttagc	660
cagtccactg	cctttctgac	aatgtgtgga	gtcacgtatg	cttgggtatat	gcctttacta	720
cttttaaaagt	tctacagttt	attacttgcc	caagtgttac	taaatccttt	tcttatgtgt	780
actggatgga	gaaaaaatta	tagccagcac	tttgagagga	aagttttcag	aaacaatatt	840
aactggcact	actaactgaa	ggccacagga	gatgctatca	atgttatttg	taatctgaag	900
attgaacaag	gctgtgaggc	tcattttcaa	ctatttttgag	gtgttaaaat	atataatgac	960
tgttttctcag	ctgttccact	caaaccgtgt	taggactctc	aaaggtaaaa	tgtcacaggg	1020
gcttttcagt	tgttacagag	ctcagcagct	gtgggtgccc	ctgttctaca	ccaatttcag	1080
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<210> 89

<211> 865

<212> DNA

<213> Homo sapiens

<400> 89

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aacctttatt	aaaaagacaa	ataaactatt	ttgtagaaga	tcagactcct	acttaactgg	180
aagagaaatg	tctattaaat	gtctctctct	tttctctggg	tcaagaccat	gtaattttat	240
gcttcagaga	tgaagatact	gtttgttttac	aaagagttta	gtttttaaga	catccaaaac	300
tctatgctag	agcaaaaaat	aaatagcaaa	ggacactagc	cagaaaatac	agtgtgtgtg	360
tgtgcacctg	tgtgacctgct	gaacaacttg	acagtgtaac	agataaggta	actgaagatg	420
tgggatattt	gaattgtatt	agcttaattgt	ctacatatct	ttggccaaaa	ctctattgtc	480
atattagaaa	catgtttatct	ttttcatgtt	tattagttaat	ttatttttga	ttctttgttt	540
tctttttcgt	ccaactaaaa	caactgtaat	gtacttgata	cattttatat	aagttctaaa	600

gtatttagac	aaatccaaat	actttgtttt	tagttttttc	ctcctttcca	tctgtttaac	660
cacagtgaag	cgctgcagta	ttttgatttg	gtcagtgcta	cggaggaaga	ccatgaaagc	720
tgaattgggtc	tgtgccaccc	agagtaaacc	tcttctcttc	ttctggaaaag	atggcggtgat	780
gtttttcaag	gattctaata	aatatccccg	agtcattctcc	tgaaaaaaaa	aaaaaaaaaa	840
aaaaaaaaaa	aaaaaaaggg	cggcc				865

<210> 90
 <211> 691
 <212> DNA
 <213> Homo sapiens

<400> 90						
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tgaacagta	taaaaaacaag	atctttacat	taagagattc	tacatttttc	tgtttacttc	180
ttgaatattg	tcctaatact	ttttatattt	gaacatattt	tggtgatttc	tgctaataga	240
aagttacca	aaacttagaa	ataagacaaa	tttatcattg	catgttttcc	tttttcatac	300
tgaagtaatg	tctaaaagat	tcaccttgga	ttatttgttt	ctttctgaga	ttgtactttg	360
tttgttttac	tacttattac	ttattagggc	cttggtctctg	tgaagttgga	tgtaaactta	420
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tttttttttc	cagcaaaaca	ttaaacagct	ttgcctcaaa	cttagcaaat	gtatttcac	540
atgactttct	taaactgaca	acataacaac	catttgaatt	ttcctttgaa	ccagctttac	600
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<210> 91
 <211> 878
 <212> DNA
 <213> Homo sapiens

<400> 91						
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caaggggttc	cgcaatgccc	ctggttggat	tcggcaccgg	ttgagaggta	gtgccaatgc	180
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caccatygac	tgtggcctgg	tgcggcttcg	gggcaaggag	gatccctgga	actctatcac	300
cagtggagca	ttgaccgggg	ctgtgctggc	tgcccgcagt	ggcccactgg	ccatgggtgg	360
ctcagcaatg	atgggggggca	tcctgttggc	cctcattgag	ggcgttggca	tcctcctcac	420
tcgtacaca	gcccagcagt	tccgaaatgc	gcccccatc	ctggaggacc	ccagccagct	480
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aagccactgc	caccatggga	gctacttctc	ggttccctcc	ccgatggtct	acctcgaagg	600
gagggtggtc	tcccagttag	ccctgggacc	ctccagagag	ggtttctact	ctgctcccta	660
gtcccagggt	gggggtgggg	caccccagct	gccctgacag	atgggtcccc	tttttctctc	720
tcagggcacc	ccagccccac	actcacatgt	acgaagtctc	caccccagct	cctttgtgtg	780
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<210> 92
 <211> 954
 <212> DNA
 <213> Homo sapiens

<400> 92						
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ggggccaggc	acttcccaca	ccgagggcag	ggcctggcca	ctccccagct	ccagtcgccc	120
ccagcgcacc	ccaagaggat	gggggttcac	cacctgcacc	gcaaggacag	cctgaccacg	180
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<400> 94
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caggatctgg ttaakgttgt cagctcagtg gatttgagaa tattcacaga taagcaactc      180
agaaggatca tacttgatt gtaggccctc aggtattcag gaaatagatc ttctcttggtg      240
attcaatagc cataatccaa attaaacatc tggcttttcc aatgtgtatt tttgaatgta      300
tgtgtcattt cttcatagac atatcaaatc attactatgt ggtaagattt tatccagaag      360
attctcttcc taaaaccttt atatatgacc ctttttaaagc ataaaattat tttagggtgtg      420
agtttttatt atgcaataca aggatacagt ctttaatttt ctacctttaa gctcgtgccg      480
aattcctgca gcccggggga tccact                                     506

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<210> 95
<211> 286
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (3)
<223> n equals a,t,g, or c

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<400> 95
ntnctagcac tcaggagtc aaaccattgc ttttgggtta gaatgcatga agaacatgca      60
cgtctatctg aactacaata actttctgct tartctactt aggctaagt tgaacatttg      120
ttcattcaca caaccactgg tggcagaaga agagagacct cttacaccac tatagcatag      180
gagctgcaat gtcacatgag ttttaaaaga tgctytttaa agaaaaaaaa aaacamgrag      240
sargaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggg                                     286

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```

<210> 96
<211> 858
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (843)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (847)
<223> n equals a,t,g, or c

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<400> 96
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gatttttaaa acaggctacc aaaatttatc caaatatatt aaaaaatgag actgttttaa      120
aaacctttcg tttccatatt gtgactccac taagcgggta aaaagttcag gacagagatg      180
gaaaggaaaag aaggaaacag gaagaagtga aactaggaag gtggtgccag tggcacatgg      240
atgaagaaaag agagatcatc agccatggag aattttgtaa tgtaagtaga gagagagatt      300
gggtaggaag acaggcttca cagtttgtaa agtgtaaagg aactacccat cgtaccctgt      360
cattgactag ggctgtgagt tatgtagttc tgtctcctct tgcaaaagac ttaccatttc      420
tggcaagtga ttaaccactt ctggcaactc ttcatttctt cttatccttg aatattcatc      480

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tacatcactc	taaacagcac	agccccagaa	gcatggaaaag	gggagttatt	agtatggaaa	540
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agctgataaa	aatgtcaatt	cctttggggc	caatcttgct	cctccagtgt	gttttagccc	660
taatgaggtc	atggttatatt	ctagacttct	gagacttact	gtggctttga	attgacacaa	720
acactaattt	tctgtcaaag	gctagagtga	tggatgttat	atgcctgcgg	acgcgtgggt	780
cgaccggga	attccggacc	ggtacctgca	ggcgtaccag	ctttccacta	tccgtgcgtc	840
agncgcnact	gtaaccct					858

<210> 97

<211> 747

<212> DNA

<213> Homo sapiens

<400> 97

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cacagtaaag	acttttgggt	tttcatggat	aaaatcaatg	tcagtactga	aactcctact	120
ctccccctcc	gccccactct	cccccgttgc	ccgagatggc	caagttcagg	cctgtgcaat	180
gccgcttccc	tctgagcctc	cctctcaagg	gccacgcagg	cagctgcagc	agggccagct	240
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ggggcacggt	taattggctc	ccagcagcgt	ggggagtgtc	tctatggtgt	gtggggtttt	480
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gcatctactt	gtatttttag	aagttttggg	agaatttagt	gatttggtggc	twtgatcaat	660
cctgttgact	ggtgtatgtc	tgcgcaaacc	tgtttcaaatt	aaatcttttg	ttaaagtaaa	720
aaaaaaaaaa	aaaaaaaaaa	aactcga				747

<210> 98

<211> 606

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (606)

<223> n equals a,t,g, or c

<400> 98

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ggataaaaaac	gttaccagga	gcagaacccat	taagctggtc	caggcaagtt	ggactccacc	420
atttcaactt	ccagctttct	gtctaattgcc	tgtgtgccaa	tggcttgagt	taggcttgct	480
ctttaggact	tcagtagcta	ttctcatcct	tccttgggga	cacaactgtc	cataaggtgc	540
tatccagagc	cacactgcat	ctgcacccag	caccatacct	cacaggagtc	gactcctact	600
cttagn						606

<210> 99

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (354)
 <223> n equals a,t,g, or c

<400> 99
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 atgcactaga aataatacat taaactgact cttagtctta atgtacgctt gctgtcttaa 180
 ataggggtgat tgagtccaac agactcaatc atacatgtca tacatgttta tgattaagag 240
 atattctttt tgtgtgctag ttgattttgc cgagaaaaaa tgaagaagaa ttcaagaaga 300
 gatgagggtg ggtaagctct cagagcattt ctgtctgccc atttgggttct atgncttatg 360
 tgggctgcta atgtgactaa ttcagagtgt tgtatttcca catctgtgga ttccaccatg 420
 gaaaagggtg gctaccattg gtccttatat ggctttatta gaaaaataga cattctatcg 480
 tttgtctgcc cagtggccag agtcctggtg aacaacagag ctcatgggaa aycagcctct 540
 ctcagggcac cccgctatga ggatattgaa atatgttcaa tcatttctca tctcccttgg 600
 aatgtaattc cctgccctat acaaaaatagg atattccaat gcgctatttg aatctaaggga 660
 ttgaggattt gtagttgagt tttggggtaa aggcttggtc cattgccatg gaagaataaa 720
 agttatttat taaaaaaaaa aaaaaaaagg gcggcc 756

<210> 100
 <211> 1061
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (138)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (460)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (473)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1048)
 <223> n equals a,t,g, or c

<400> 100
 acaccaatgg agacataatt gtgggcagac tatgacaacc gttgggtcag catcttctcc 60
 cctgaggggc aagttcaaga ccaagattgg agctgggccg cctcatgggc cccaaggagg 120
 tggccgtaga ccggaatnga catatcattg tggtcgacaa caagtcttgc tgcgtcttta 180
 ccttccagcc caatggcaaa ctggttggcc gttttggggg ccgtggggcc actgaccgcc 240
 actttgcagg gccccatttt gtggctgtga acaacaagaa tgaaattgta gtaacggact 300
 tccataacca ttcagtgaag gtgtacagtg ccgatggaga gttcctcttc aagtttggtc 360
 cccatggcga gggcaatggg cagtccaatg cccccacagg agtagctgtg gactccaatg 420
 gaaacatcat tgtggctgac tggggcaaca gccgcacn aggtattcga canctctggc 480
 tcttcctgt cctatatcaa cacatctgca gaaccactgt atgggtccaca gggcctggca 540
 ctgacctcgg atggccatgt ggtggtggct gatgctggca accactgctt taaagcctat 600
 cgctacctcc agtagctgta cagaggccct gcctggcttg tggagggaca gacattgggg 660
 tgattggaca agagggtctg gctgggaggt gggccagacc tggcagcact gaatgtgggc 720
 tgtgggcatg ggtgcacccg gtgccctccc tctcctaccc ccacccccac gggtgcactt 780
 tattttattc gttcttgctt tgggtgactgg gtgagcctgg actgtggtcc caaggatgtg 840

tgcagagctt	caccctaccc	ttcttacaca	cctccccacc	cctgtcagtc	tgctcccat	900
ccccagcct	ggggccagaa	cagcctaccc	caggacagga	gtccctctag	ttgtctccct	960
accaccctat	acacactgac	agagacagca	atccccacc	ccccatatta	aataaatgtc	1020
ttcaccaaga	aaaaaaaaaa	aaaaaaaaanac	tcgcggcacg	a		1061

<210> 101
 <211> 776
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (775)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (776)
 <223> n equals a,t,g, or c

<400> 101						
aatgaaggct	ttgtggacaa	catgacgctg	agtggcccag	acttgagact	gcatgcctcc	60
aacgccaccc	tcctaagtgc	caacgccagc	caggggaagt	tgcttccggc	ccactcaggc	120
ctcagcctca	tcatcagtga	cgcaggccct	gacaacagtt	cctgggcccc	tggtggccma	180
gggacagttg	tggttagccg	tatcattgtg	tgggacatca	tggccttcaa	tggcatcatc	240
catgctctgg	ccagccccct	cctggcacc	ccacagcccc	aggcagtgct	ggcgcctgaa	300
gccccacctg	tggcggcagg	cgtgggggct	gtgcttgccg	ctggagcact	gcttggcttg	360
gtggccggag	ctctctacct	ccgtgcccga	ggcaagccca	tgggcttttg	cttctctgcc	420
ttccaggcgg	aagatgatgc	tgatgacgac	ttctcaccgt	ggcaagaagg	gaccaacccc	480
accctggctc	ctgtcccaa	ccctgtcttt	ggcagcgaca	ccttttgtga	acccttcgat	540
gactcactgc	tggaggagga	cttccttgac	acccagagga	tcctcacagt	caagtgcga	600
ggctggggct	gaaagcagaa	gcatgcacag	ggaggagacc	acttttattg	cttgtctggg	660
tggatggggc	aggaggggct	gagggcctgt	cccagacaat	aaagggtgcc	tcagcgggatg	720
tgggccatgt	caccaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaann	776

<210> 102
 <211> 786
 <212> DNA
 <213> Homo sapiens

<400> 102						
cccacccggg	gagggctcgtt	gtgcgcctgc	ccaggggtggg	ggttgccgtc	gcgcctaggc	60
ctttccctca	ggttttcctc	ttccccactg	cggctcccca	gtcggcgctt	gcggggagaac	120
tcagcgctga	gattgtctaa	agccccagga	aaaatgggtg	aaaattcacc	gtcgccattg	180
ccagaaagag	cgatttatgg	ctttgttctt	ttcttaagct	cccaatttgg	cttcatactt	240
tacctcgtgt	gggcctttat	tcctgaatct	tggctaaact	cttttaggtt	aacctattgg	300
cctcaaaaat	attgggcagt	tgcattacct	gtctacctcc	ttattgctat	agtaattggc	360
tacgtgctct	tgtttgggat	taacatgatg	agtacctctc	cactcgactc	catccataca	420
atcacagata	actatgcaaa	aaatcaacag	cagaagaaat	accaagagga	ggccattcca	480
gccttaagag	atatttctat	tagtgaagta	aaccaaatgt	tctttcttgc	agccaaagaa	540
ctttacacca	aaaactgaac	tgtgtgtaac	catagtaaca	ccaagcacgt	atttatattat	600
aagtttttgc	cattataatt	ttgaccataa	attaatttga	ccatctctct	tattaataga	660
gaagtaaaaa	atgtaagttg	accttctctt	agattatggt	caatgaatat	tgtaaatggt	720
caagtattgt	taatgaatag	aataaatata	atattgcatt	ccccaaaaaa	aaaaaaaaaa	780
actcga						786

<210> 103

<211> 687
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (28)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (34)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (55)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (657)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (660)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (664)
 <223> n equals a,t,g, or c

<400> 103
 aaaccagctt ttgccctgat tacgccangc tcgnaattam cctcactaaa gggancaaag 60
 ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccgg gctgcaggaa 120
 ttcggcacga gcagaaaaca acatggaagc caagttccta ggaaatgcac cctgtgggca 180
 ctacacattc aagttccccc aggcaatgcg gacagagagt aacctcggag ccaaggtgtt 240
 cttcttcaaa gcactgctat taactggaga cttttcccag gctgggaata agggccatca 300
 tgtgtgggtc actaaggatg agctgggtga ctatttgaaa ccaaaatacc tggcccaagt 360
 taggaggttt gtttcagacc tctgatgggc cgagctgcct gtggacgggtg ctcagacaag 420
 tctgggatta gagcctcaag gacatttgtt gattgcctca catttgacag taatatcaag 480
 cagcaacta aattctgaga aataaacgag tctattacaa aaaaaaaaaa aaaaaactcg 540
 agggggggcc cggtagccaa ttctgcctta tagtgagtcg tattacaatt cactggccgt 600
 cgttttacaa cgctcgtgact ggggaaaccc tggcgttacc caacttaatc gccttgnagn 660
 aacntcccct ttcggcagct ggggtaa 687

<210> 104
 <211> 804
 <212> DNA
 <213> Homo sapiens

<400> 104
 gaattcggca cgagattttc ttcattgcagt attctcagat tggaaacatg cttcatgttt 60
 cttataaata accctcaatt atgagggcgt acttttctact ttgaagaaaa ttgacttgca 120
 ttaaagtggc taacaattct ttcttgggca ggatgtaaaa ttttctctct ctctaatacc 180
 agtactgttg agctcacatt ctcccacttt tcctcttttc aggtgggttca cgtatttggg 240
 attttatgaa acctcagaag cagacatgtt aacttttctt atcttttttat tccctgaggt 300

agtcctgggg	ctcttaagag	attacagttc	ttaaaacctg	gaaagtgaca	ccagagaggt	360
agatcttagt	tcccaaaatt	aaagttactt	tctagggcat	aaaacctttt	cagaattcag	420
attaaatttt	atttattttt	tcttttttct	gtaaccttat	atttgagggg	aaaattttat	480
tttcaacttt	tgcataatc	taatttaaca	tttgggaaaa	ctgtaaattg	gccaaagt	540
ctccctttat	atgattttcc	agatttttac	cactttctta	gtgccacttg	atgctaggca	600
ttgtctattg	gagactcact	ggtacgtaac	tgcaggtttt	accatggaac	cacatataca	660
catgtcttgg	aattgagggg	tagggtttcc	agaaggactt	agttgtcctg	tgcttttgtc	720
tgcccatgc	caaagaccac	taagaacagt	tttgtaagtg	aaacttgggt	ctacacgtta	780
aaaaaaaaa	aaaaaaaaa	tcga				804

<210> 105

<211> 1065

<212> DNA

<213> Homo sapiens

<400> 105

gaattcggca	cgagaggggc	agggaggctg	ccccaggcc	tgtatattta	acccttatgt	60
accaggagta	atgaatagta	ataattctat	ttatgtaagt	tatgatgacg	ggtcaggtag	120
agtgaagctg	ggagggaaat	ggatccattt	ctgctaagga	aattctagtc	aaatgcatct	180
ctgtatagac	aaaatgttag	tggagaagat	cttgtaata	gaatgtctat	catcagaatc	240
tcagttgata	gggtttctct	tgtaatgaag	tctctacaaa	ttgggttagc	tacatctctg	300
ctaaacagtt	gatgggggat	ctcttgatta	gggggatccc	taatatcccc	agccccagcc	360
agaagctgtg	aaacctcaag	tcctatggag	gggagaagga	ctggaatgta	ccccatctyc	420
cttgactgma	gagcagggtc	ctccactgcc	ccaccctta	gacaccatgm	ccccatcagg	480
ttaatccctt	gttgccatgg	ttatggagac	ttgcagctgc	catcttagat	gtgctctttg	540
gggaagccca	tctaacagga	ggacattggg	ttgggggtgc	acctcctgaa	gaatgggtgg	600
ggaaggcttt	ctctaggatc	agattcaaat	aaatcaagta	tgtattgagt	gcctactctg	660
tgcaaggcac	tatgctagat	ctggtgccta	gaagccctga	gaaagaactt	aaagagctag	720
gaggacagag	gcccccaagc	tgatctgggt	gtgcatccac	gcacccccac	cctgggactt	780
tggatgctcc	catctccacc	tccagtgaat	tttaaagccg	cttcgtgcct	ttcctgtaac	840
gttgatcct	ccttttctgt	cccctgctgt	ctcaaggccc	caagttaaag	ggttaaagcc	900
gctggagctt	ggggagagaa	cattgtggaa	tggaaaggat	catgcccttt	gtggagtctt	960
tttttttttaa	tttaataaat	aaaagttgga	tttgaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1020
aaaaaaaaaa	ctcgcagggg	gggcccgtac	ccgaatcgcc	ctatg		1065

<210> 106

<211> 373

<212> DNA

<213> Homo sapiens

<400> 106

ccacgcgtcc	ggttctttga	ttgcttcata	agaaaccggg	gtattgctct	gtgctgaggt	60
cttagatatg	ttctagcact	caggagtcca	aaccattgct	tttgggttag	aaatgcatga	120
aagaaacatg	cacgtctatc	tgaactacaa	ataaactttc	tgcttaagtc	tacttaggct	180
aatgttgaaa	catttggttc	ttcaacacaa	accacatggg	ggcagaagaa	gagagaccct	240
cattacacca	catagtagca	ataggagctg	caatgtcaca	atgagtttta	aaaagaatgc	300
ctctttaaaa	gaaaaaaaaa	aacaagaaag	aaagaaaaaa	aaaaaaaaaa	aaaaaaaaaa	360
aaaaaaaaaa	aaa					373

<210> 107

<211> 687

<212> DNA

<213> Homo sapiens

<400> 107

ccacgcgtcc	gctcctgtga	ggatatgggtg	tgggtgcaga	tgcaagtgtg	ctctggatag	60
caccttatgg	acagttgtgt	ccccaaaggaa	ggatgagaat	agctactgaa	gtcctaaaga	120

gcaagcctaa	ctcaagccat	tggcacacag	gcattagaca	gaaagctgga	agttgaaatg	180
gtggagtcca	acttgccctgg	accagcttaa	tggttctgct	cctggtaacg	tttttatcca	240
tggatgactt	gcttgggtaa	ggacatgaag	acagttcctg	tcataccttt	taaaggatatg	300
gagagtcggc	ttgactacac	tgtgtggagc	aagttttaaa	gaagcaaagg	actcagaatt	360
catgattgaa	gaaatgcagg	cagacctgtt	atcctaaact	agggttttta	atgaccacaa	420
caagcaagca	tgcagcttac	tgcttgaaag	ggctcttgct	cacccaagct	agagtgcagt	480
ggcctttgaa	gcttactaca	gcctcaaact	tctgggctca	agtgatcctc	agcctcccag	540
tggcttttgt	agactgcctg	atggagtctc	atggcacaa	aagattaaaa	cagtgtctcc	600
aattttaata	aatttttgca	atccaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	660
aaaaaaaaaa	aaaaaaaaaa	aaaaaaa				687

<210> 108
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 108
 Met His Asn Leu Ile Ser Ser Ile Ile Ser Phe Leu Tyr Asn Phe Cys
 1 5 10 15
 Ala Leu Pro Leu Ala Ser Pro Gln Phe Thr Asn Glu Glu Ser Ser Tyr
 20 25 30
 Thr Ala Leu Arg Ser Cys Thr Arg Gly Gly Phe Glu Ser Arg Ser Leu
 35 40 45
 Gly Thr Gln Lys Ser Cys Thr Phe Gln Gly Lys Gly Asp Tyr His Val
 50 55 60
 Thr Ala
 65

<210> 109
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 109
 Met Ser Arg Thr Asn Thr Trp Val Ser Trp Gln Ala Ser Arg Ala Asp
 1 5 10 15
 Trp Pro Glu Thr Asp Pro Gln Glu Ala Leu Gln Pro Ala Leu Val Pro
 20 25 30
 Ser His Ser Asp Leu Asn Pro Gly Ser Ser Arg Ser Ala Val
 35 40 45

<210> 110
 <211> 457
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (84)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> MISC_FEATURE
 <222> (169)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 110
 Met Val Thr Cys Thr Cys Leu Pro Asp Tyr Glu Gly Asp Gly Trp Ser
 1 5 10 15

 Cys Arg Ala Arg Asn Pro Cys Thr Asp Gly His Arg Gly Gly Cys Ser
 20 25 30

 Glu His Ala Asn Cys Leu Ser Thr Gly Leu Asn Thr Arg Arg Cys Glu
 35 40 45

 Cys His Ala Gly Tyr Val Gly Asp Gly Leu Gln Cys Leu Glu Glu Ser
 50 55 60

 Glu Pro Pro Val Asp Arg Cys Leu Gly Gln Pro Pro Pro Cys His Ser
 65 70 75 80

 Asp Ala Met Xaa Thr Asp Leu His Phe Gln Glu Lys Arg Ala Gly Val
 85 90 95

 Phe His Leu Gln Ala Thr Ser Gly Pro Tyr Gly Leu Asn Phe Ser Glu
 100 105 110

 Ala Glu Ala Ala Cys Glu Ala Gln Gly Ala Val Leu Ala Ser Phe Pro
 115 120 125

 Gln Leu Ser Ala Ala Gln Gln Leu Gly Phe His Leu Cys Leu Met Gly
 130 135 140

 Trp Leu Ala Asn Gly Ser Thr Ala His Pro Val Val Phe Pro Val Ala
 145 150 155 160

 Asp Cys Gly Asn Gly Arg Val Gly Xaa Val Ser Leu Gly Ala Arg Lys
 165 170 175

 Asn Leu Ser Glu Arg Trp Asp Ala Tyr Cys Phe Arg Val Gln Asp Val
 180 185 190

 Ala Cys Arg Cys Arg Asn Gly Phe Val Gly Asp Gly Ile Ser Thr Cys
 195 200 205

 Asn Gly Lys Leu Leu Asp Val Leu Ala Ala Thr Ala Asn Phe Ser Thr
 210 215 220

 Phe Tyr Gly Met Leu Leu Gly Tyr Ala Asn Ala Thr Gln Arg Gly Leu
 225 230 235 240

 Asp Phe Leu Asp Phe Leu Asp Asp Glu Leu Thr Tyr Lys Thr Leu Phe
 245 250 255

 Val Pro Val Asn Glu Gly Phe Val Asp Asn Met Thr Leu Ser Gly Pro
 260 265 270

 Asp Leu Glu Leu His Ala Ser Asn Ala Thr Leu Leu Ser Ala Asn Ala
 275 280 285

Ser Gln Gly Lys Leu Leu Pro Ala His Ser Gly Leu Ser Leu Ile Ile
 290 295 300
 Ser Asp Ala Gly Pro Asp Asn Ser Ser Trp Ala Pro Val Ala Pro Gly
 305 310 315 320
 Thr Val Val Val Ser Arg Ile Ile Val Trp Asp Ile Met Ala Phe Asn
 325 330 335
 Gly Ile Ile His Ala Leu Ala Ser Pro Leu Leu Ala Pro Pro Gln Pro
 340 345 350
 Gln Ala Val Leu Ala Pro Glu Ala Pro Pro Val Ala Ala Gly Val Gly
 355 360 365
 Ala Val Leu Ala Ala Gly Ala Leu Leu Gly Leu Val Ala Gly Ala Leu
 370 375 380
 Tyr Leu Arg Ala Arg Gly Lys Pro Met Gly Phe Gly Phe Ser Ala Phe
 385 390 395 400
 Gln Ala Glu Asp Asp Ala Asp Asp Asp Phe Ser Pro Trp Gln Glu Gly
 405 410 415
 Thr Asn Pro Thr Leu Val Ser Val Pro Asn Pro Val Phe Gly Ser Asp
 420 425 430
 Thr Phe Cys Glu Pro Phe Asp Asp Ser Leu Leu Glu Glu Asp Phe Pro
 435 440 445
 Asp Thr Gln Arg Ile Leu Thr Val Lys
 450 455

<210> 111
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 111
 Met Asn Ile Leu Met Phe Ala Phe Met Ile Ile Phe Met Gly Ala Lys
 1 5 10 15
 Phe Gln Glu Val Glu Phe Trp Val Arg Gly Tyr Asp His Leu Lys Ala
 20 25 30
 Thr Leu Phe Asp Gln Ile Gly Arg Tyr Leu Lys Met Gly Gly Gln Glu
 35 40 45
 Pro Leu Leu Ala Lys Val Trp Val Arg Gly Thr
 50 55

<210> 112
 <211> 105
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 112

Met Gly Pro Ala Leu Met Val Ala Ser Leu Cys Leu Gly Gly Pro Ala
1 5 10 15

Pro Ala Val Gly Ala Ile Thr Pro Ser Pro Phe Ile Thr Ser Leu Arg
20 25 30

Trp Ala Pro Ser Pro Ala Gly Cys Leu Pro Ser Gly Asn Ser Arg Thr
35 40 45

Leu Arg Asp Thr Arg Ala Ala Trp Pro Arg Gly Ala Thr Ala Arg Pro
50 55 60

Pro Gly Gly Gln Pro Trp Arg Glu Leu Arg Pro Thr Tyr Ser Gly Val
65 70 75 80

Trp Glu Pro Cys Leu Tyr Leu Gly Xaa Ser Pro Ser Gln Leu Pro Pro
85 90 95

Cys Val Phe Pro Pro Ala Lys Val Gly
100 105

<210> 113

<211> 97

<212> PRT

<213> Homo sapiens

<400> 113

Met Arg Asp Pro Leu Asn Arg Val Leu Ala Asn Leu Phe Leu Leu Ile
1 5 10 15

Ser Ser Ile Leu Gly Ser Arg Thr Ala Gly Pro His Thr Gln Phe Val
20 25 30

Gln Trp Phe Met Glu Glu Cys Val Asp Cys Leu Glu Gln Gly Gly Arg
35 40 45

Gly Ser Val Leu Gln Phe Met Pro Phe Thr Thr Val Ser Glu Leu Val
50 55 60

Lys Val Ser Ala Met Ser Ser Pro Lys Val Val Leu Ala Ile Thr Asp
65 70 75 80

Leu Ser Leu Pro Leu Gly Arg Gln Val Ala Ala Lys Ala Ile Ala Ala
85 90 95

Leu

<210> 114

<211> 134

<212> PRT

<213> Homo sapiens

<400> 114

Met Val Glu Asn Ser Pro Ser Pro Leu Pro Glu Arg Ala Ile Tyr Gly
 1 5 10 15
 Phe Val Leu Phe Leu Ser Ser Gln Phe Gly Phe Ile Leu Tyr Leu Val
 20 25 30
 Trp Ala Phe Ile Pro Glu Ser Trp Leu Asn Ser Leu Gly Leu Thr Tyr
 35 40 45
 Trp Pro Gln Lys Tyr Trp Ala Val Ala Leu Pro Val Tyr Leu Leu Ile
 50 55 60
 Ala Ile Val Ile Gly Tyr Val Leu Leu Phe Gly Ile Asn Met Met Ser
 65 70 75 80
 Thr Ser Pro Leu Asp Ser Ile His Thr Ile Thr Asp Asn Tyr Ala Lys
 85 90 95
 Asn Gln Gln Gln Lys Lys Tyr Gln Glu Glu Ala Ile Pro Ala Leu Arg
 100 105 110
 Asp Ile Ser Ile Ser Glu Val Asn Gln Met Phe Phe Leu Ala Ala Lys
 115 120 125
 Glu Leu Tyr Thr Lys Asn
 130

<210> 115

<211> 210

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 115

Met Arg Cys Leu Thr Thr Pro Met Leu Leu Arg Ala Leu Ala Gln Ala
 1 5 10 15
 Ala Arg Ala Gly Pro Pro Gly Gly Arg Ser Leu His Ser Ser Ala Val
 20 25 30
 Ala Ala Thr Tyr Lys Tyr Val Asn Met Gln Asp Pro Glu Met Asp Met
 35 40 45
 Lys Ser Val Thr Asp Arg Ala Ala Arg Thr Leu Leu Trp Thr Glu Leu
 50 55 60
 Phe Arg Gly Leu Gly Met Thr Leu Ser Tyr Leu Phe Arg Glu Pro Ala
 65 70 75 80
 Thr Ile Asn Tyr Pro Phe Glu Lys Gly Pro Leu Ser Pro Arg Phe Arg
 85 90 95
 Gly Glu His Ala Leu Arg Arg Tyr Pro Ser Gly Glu Glu Arg Cys Ile
 100 105 110

Ala Cys Lys Leu Cys Glu Ala Ile Cys Pro Ala Gln Ala Ile Xaa Ile
115 120 125

Glu Ala Glu Pro Arg Ala Asp Gly Ser Arg Arg Thr Thr Arg Tyr Asp
130 135 140

Ile Asp Met Thr Lys Cys Ile Tyr Cys Gly Phe Cys Gln Glu Ala Cys
145 150 155 160

Pro Val Asp Ala Ile Val Glu Gly Pro Asn Phe Glu Phe Ser Thr Glu
165 170 175

Thr His Glu Glu Leu Leu Tyr Asn Lys Glu Lys Leu Leu Asn Asn Gly
180 185 190

Asp Lys Trp Glu Ala Glu Ile Ala Ala Asn Ile Gln Ala Asp Tyr Leu
195 200 205

Tyr Arg
210

<210> 116
<211> 114
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 116
Met Leu Pro Gly Leu Arg Arg Leu Leu Gln Ala Pro Ala Ser Ala Cys
1 5 10 15

Leu Leu Leu Met Leu Leu Ala Leu Pro Leu Ala Ala Pro Ser Cys Pro
20 25 30

Met Leu Cys Thr Cys Tyr Ser Ser Pro Pro Thr Val Lys Leu Pro Gly
35 40 45

Gln Gln Leu Leu Leu Cys Ala Ala Val Pro Ala Thr Gln His Ser Ala
50 55 60

Thr Leu Pro Ala Glu Gln Pro His Pro His Ala Ala Xaa Arg His Leu
65 70 75 80

Trp Val Gln Pro Ala His Pro Val Ala Leu Leu Gln Gln Pro Leu His
85 90 95

His Leu Pro Gly His Phe Pro Pro Leu Ala Ser Pro Gly Gly Ser Gly
100 105 110

Pro Arg

<210> 117
<211> 37

<212> PRT
 <213> Homo sapiens

<400> 117
 Met Lys Gln Thr Arg Leu Asn Pro Pro Val Val Phe Ile Leu Leu Gln
 1 5 10 15
 Pro Leu Ser Arg Pro Arg Asp Gly Leu Ser Asn Ser Val Leu Ile Ile
 20 25 30
 Leu His Ser Val Pro
 35

<210> 118
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 118
 Met Cys Gly Gly His Ala Ile Asn Val Gly Pro Phe Thr Val Ala Gly
 1 5 10 15
 Arg Gly Arg Asn Leu Gln Phe Leu Arg Val Leu Leu Leu Arg Cys Pro
 20 25 30
 Pro Val Leu Gly His Ser Cys Ser Xaa Pro Cys Pro Ala Trp Ser His
 35 40 45
 Pro Pro Ser Ala Asn Arg Ser Leu Gly Arg Val Leu Trp Ala Leu Ile
 50 55 60
 Arg Pro Trp Gln Gly Arg Ser Ser
 65 70

<210> 119
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 119
 Met Gln Ile Ile Phe Leu Ala Val Thr Cys Ser Phe Thr Thr Ala Glu
 1 5 10 15
 Ser Ala Val Ala Arg
 20

<210> 120
 <211> 272
 <212> PRT
 <213> Homo sapiens

<220>

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<221> MISC_FEATURE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (162)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (175)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (176)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (180)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 120
Met Ser Ala Leu Arg Arg Ser Gly Tyr Gly Pro Ser Asp Gly Pro Ser
  1              5              10              15

Tyr Gly Arg Tyr Tyr Gly Pro Gly Gly Gly Asp Val Pro Val His Pro
      20              25              30

Pro Pro Pro Leu Tyr Pro Leu Arg Pro Glu Pro Pro Gln Pro Pro Ile
      35              40              45

Ser Trp Arg Val Arg Gly Gly Gly Pro Ala Glu Thr Thr Trp Leu Gly
      50              55              60

Glu Gly Gly Gly Gly Asp Gly Tyr Tyr Pro Ser Gly Gly Ala Trp Pro
      65              70              75              80

Glu Pro Gly Arg Ala Gly Gly Ser His Gln Ser Leu Asn Ser Tyr Thr
      85              90              95

Asn Gly Ala Tyr Gly Pro Thr Tyr Pro Pro Gly Pro Gly Ala Asn Thr
      100             105             110

Ala Phe Ile Leu Arg Gly Leu Xaa Cys Thr Trp Leu Tyr Ser Asp Gln
      115             120             125

Leu Leu His Arg Ile Pro Ser Thr Tyr Arg Ser Ser Gly Asn Ser Pro
      130             135             140

Thr Pro Val Ser Arg Trp Ile Tyr Pro Gln Gln Asp Cys Gln Thr Glu
      145             150             155             160

Ala Xaa Pro Leu Arg Gly Lys Val Pro Gly Tyr Pro Pro Ser Xaa Xaa
      165             170             175

Pro Gly Met Xaa Leu Pro His Tyr Pro Tyr Gly Asp Gly Asn Arg Ser
      180             185             190

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Val Pro Gln Ser Gly Pro Thr Val Arg Pro Gln Glu Asp Ala Trp Ala
195 200 205

Ser Pro Gly Ala Tyr Gly Met Gly Gly Arg Tyr Pro Trp Pro Ser Ser
210 215 220

Ala Pro Ser Ala Pro Pro Gly Asn Leu Tyr Met Thr Glu Val Leu His
225 230 235 240

His Gly Leu Ala Val Ala Leu Pro Ser His Pro Leu His Pro Gln Ser
245 250 255

Ser Ser Pro Arg Ile Leu His Thr Pro Ile Ala Asn Gln Ile Lys Ala
260 265 270

<210> 121
<211> 30
<212> PRT
<213> Homo sapiens

<400> 121
Met Val Leu Pro Arg Ile Leu Val Leu Met Leu Phe Leu Ala Leu Lys
1 5 10 15

Asn Pro Val Gly Glu Met Arg Asn Leu Thr His Cys Arg Cys
20 25 30

<210> 122
<211> 24
<212> PRT
<213> Homo sapiens

<400> 122
Met Gln Gly Ser Pro Leu Val Thr Ala Ile Tyr Lys Ile Phe Leu Leu
1 5 10 15

Ser Leu Leu Val Arg Gly Ile Cys
20

<210> 123
<211> 73
<212> PRT
<213> Homo sapiens

<400> 123
Met Arg Leu Gln Pro Asp Ile Cys Asn Leu Pro Thr Asn Pro Leu Ser
1 5 10 15

Leu Lys Leu Gly Leu Met Leu Leu Ser Leu Thr Leu Cys Leu Glu Lys
20 25 30

Thr Val Gln Gly Leu Lys Leu Gly Leu Cys Leu Phe Lys Leu Ser Phe
35 40 45

Ser Glu His Met Val Cys Pro Thr His Pro Gln Ser Ile Arg Trp Phe
 50 55 60

Tyr Phe Met Phe Arg Leu Gln Cys Cys
 65 70

<210> 124

<211> 312

<212> PRT

<213> Homo sapiens

<400> 124

Met Ala Ala Gly Val Asp Cys Gly Asp Gly Val Gly Ala Arg Gln His
 1 5 10 15

Val Phe Leu Val Ser Glu Tyr Leu Lys Asp Ala Ser Lys Lys Met Lys
 20 25 30

Asn Gly Leu Met Phe Val Lys Leu Val Asn Pro Cys Ser Gly Glu Gly
 35 40 45

Ala Ile Tyr Leu Phe Asn Met Cys Leu Gln Gln Leu Phe Glu Val Lys
 50 55 60

Val Phe Lys Glu Lys His His Ser Trp Phe Ile Asn Gln Ser Val Gln
 65 70 75 80

Ser Gly Gly Leu Leu His Phe Ala Thr Pro Val Asp Pro Leu Phe Leu
 85 90 95

Leu Leu His Tyr Leu Ile Lys Ala Asp Lys Glu Gly Lys Phe Gln Pro
 100 105 110

Leu Asp Gln Val Val Val Asp Asn Val Phe Pro Asn Cys Ile Leu Leu
 115 120 125

Leu Lys Leu Pro Gly Leu Glu Lys Leu Leu His His Val Thr Glu Glu
 130 135 140

Lys Gly Asn Pro Glu Ile Asp Asn Lys Lys Tyr Tyr Lys Tyr Ser Lys
 145 150 155 160

Glu Lys Thr Leu Lys Trp Leu Glu Lys Lys Val Asn Gln Thr Val Ala
 165 170 175

Ala Leu Lys Thr Asn Asn Val Asn Val Ser Ser Arg Val Gln Ser Thr
 180 185 190

Ala Phe Phe Ser Gly Asp Gln Ala Ser Thr Asp Lys Glu Glu Asp Tyr
 195 200 205

Ile Arg Tyr Ala His Gly Leu Ile Ser Asp Tyr Ile Pro Lys Glu Leu
 210 215 220

Ser Asp Asp Leu Ser Lys Tyr Leu Lys Leu Pro Glu Pro Ser Ala Ser
 225 230 235 240

Leu Pro Asn Pro Pro Ser Lys Lys Ile Lys Leu Ser Asp Glu Pro Val

Lys Ala Asp Leu His Asp Glu Glu Asp Glu Gln Asp Ile Leu Leu Ala
 35 40 45
 Gln Asp Leu Glu Asp Met Trp Glu Gln Lys Phe Leu Gln Phe Lys Leu
 50 55 60
 Gly Ala Arg Ile Thr Glu Ala Asp Glu Lys Asn Asp Arg Thr Ser Leu
 65 70 75 80
 Asn Arg Lys Leu Asp Arg Asn Leu Val Leu Leu Val Arg Glu Lys Phe
 85 90 95
 Gly Asp Gln Asp Val Trp Ile Leu Pro Gln Ala Glu Trp Gln Pro Gly
 100 105 110
 Glu Thr Leu Arg Gly Thr Ala Glu Arg Thr Leu Ala Thr Leu Ser Glu
 115 120 125
 Asn Asn Met Glu Ala Lys Phe Leu Gly Asn Ala Pro Cys Gly His Tyr
 130 135 140
 Thr Phe Lys Phe Pro Gln Ala Met Arg Thr Glu Ser Asn Leu Gly Ala
 145 150 155 160
 Lys Val Phe Phe Phe Lys Ala Leu Leu Leu Thr Gly Asp Phe Ser Gln
 165 170 175
 Ala Gly Asn Lys Gly His His Val Trp Val Thr Lys Asp Glu Leu Gly
 180 185 190
 Asp Tyr Leu Lys Pro Lys Tyr Leu Ala Gln Val Arg Arg Phe Val Ser
 195 200 205
 Asp Leu
 210

<210> 127
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 127
 Met Gly Gly Thr Glu Ser Tyr Ile Ser Ser Ser Pro Leu Leu Arg Thr
 1 5 10 15
 Leu Leu Leu Ser Tyr Leu Val Phe Leu Tyr Tyr Leu Tyr Leu Leu Phe
 20 25 30
 Tyr Val Ala Arg Ser Pro Phe Gly Lys Ala Glu Tyr Lys
 35 40 45

<210> 128
 <211> 87
 <212> PRT
 <213> Homo sapiens

<400> 128
 Met Ala Ala Gly Trp Val Arg Ser Trp Val Val Tyr Phe Leu Val Thr

1	5	10	15
Leu Leu Gly Ser Ser Pro Ser Pro Val Ser Leu Thr Glu Gly Lys Lys	20	25	30
Ile Pro Lys Gly Thr Ala Thr Val Leu Gly Gly Ala Leu Asp Cys Val	35	40	45
His Leu Asn Phe Gly Pro Ser Phe Asp Val Trp Phe Val Ser His Lys	50	55	60
Glu Lys Tyr Leu Lys Val Asn Met Met Leu Leu Ala Tyr Tyr Pro Asp	65	70	75
Tyr Cys Met Lys Leu Cys Leu	85		

<210> 129
 <211> 85
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (81)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 129
Met Asn Gln Arg Tyr Arg His Lys Ile Lys Asn Tyr Lys Thr Ile His
1 5 10 15
Tyr Ala Tyr Asp Ser Cys Asn Asn Lys Lys Val Gln Gly Thr Ile Ile
20 25 30
Ser Tyr Asn Arg Gly Ile Thr Ser His Arg Glu Gln Gln Tyr His Ile
35 40 45
Ala Gly Ile Tyr Thr Arg Ile Leu Gly Asn Leu Val Trp Ile Tyr Thr
50 55 60
Arg Ile Pro Gly Asp Pro Val Trp Leu Val Arg Gly Phe Pro Glu Lys
65 70 75 80
Xaa Ile Ser Glu Ser
85

<210> 130
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 130
Met Leu Gly Phe Ala Phe Arg Asp Lys Arg Trp Trp Ile Tyr Phe Ala
1 5 10 15
Cys Ser Lys Asp Ser Gln Gly Val Arg Ala Ala Tyr Cys Gln Ile Leu
20 25 30

Leu Leu Phe Tyr Val Ser Val Tyr Ser Leu Ser Phe Ser Tyr Leu Leu
35 40 45

Asp His Phe Cys Ser Leu Pro Lys Pro Leu Leu Phe Gly Thr Val Ser
50 55 60

Gln Ile Pro His Phe
65

<210> 131

<211> 51

<212> PRT

<213> Homo sapiens

<400> 131

Met Cys Ser Tyr Cys Met Pro Tyr Leu Ile Ile Phe Leu Ser Val Ile
1 5 10 15

His Asn His Lys Thr Ile Pro Leu Leu Lys Val Leu Val Asp Lys Leu
20 25 30

Asn Cys Ile Ile Thr Asp Leu Cys Ile Ser Arg Asp Asp Val Phe Pro
35 40 45

Thr Thr Cys
50

<210> 132

<211> 97

<212> PRT

<213> Homo sapiens

<400> 132

Met Arg Pro Leu Leu Cys Ala Leu Thr Gly Leu Ala Leu Leu Arg Ala
1 5 10 15

Ala Gly Ser Leu Ala Ala Ala Glu Pro Phe Ser Pro Pro Arg Gly Asp
20 25 30

Ser Ala Gln Ser Thr Ala Cys Asp Arg His Met Ala Val Gln Arg Arg
35 40 45

Leu Asp Val Met Glu Glu Met Val Glu Lys Thr Val Asp His Leu Gly
50 55 60

Thr Glu Val Lys Gly Leu Leu Gly Leu Leu Glu Glu Leu Ala Trp Asn
65 70 75 80

Leu Pro Pro Gly Pro Phe Ser Pro Ala Pro Asp Leu Leu Gly Asp Gly
85 90 95

Phe

<210> 133

<211> 29

<212> PRT

<213> Homo sapiens

<400> 133

Met Ser Ile Thr Leu Ile Gln Leu Met Phe Tyr Phe Asn Thr Pro Glu
1 5 10 15

Leu Pro His Lys Thr Ser Phe His Val Lys Gly Ser Arg
20 25

<210> 134

<211> 45

<212> PRT

<213> Homo sapiens

<400> 134

Met Gly Ser Val Trp Asn Cys Leu Leu Ala Leu Leu Glu Lys His Leu
1 5 10 15

Ile Thr Leu Tyr Lys Leu Ile Ile Thr Val Leu Leu Asp Leu Leu Ser
20 25 30

Ala Arg His Lys Cys Phe Thr Ser Val Asn Ser Phe Asn
35 40 45

<210> 135

<211> 64

<212> PRT

<213> Homo sapiens

<400> 135

Met Thr Lys Glu Asp Lys Ala Ser Ser Glu Ser Leu Arg Leu Ile Leu
1 5 10 15

Val Val Phe Leu Gly Gly Cys Thr Phe Ser Glu Ile Ser Ala Leu Arg
20 25 30

Phe Leu Gly Arg Glu Lys Gly Tyr Arg Phe Ile Phe Leu Thr Thr Ala
35 40 45

Val Thr Asn Ser Ala Arg Leu Met Glu Ala Met Ser Glu Val Lys Ala
50 55 60

<210> 136

<211> 227

<212> PRT

<213> Homo sapiens

<400> 136

Met Asp Phe Glu Asn Leu Phe Ser Lys Pro Pro Asn Pro Ala Leu Gly
1 5 10 15

Lys Thr Ala Thr Asp Ser Asp Glu Arg Ile Asp Asp Glu Ile Asp Thr
20 25 30

Glu Val Glu Glu Thr Gln Glu Glu Lys Ile Lys Leu Glu Cys Glu Gln
 35 40 45
 Ile Pro Lys Lys Phe Arg His Ser Ala Ile Ser Pro Lys Ser Ser Leu
 50 55 60
 His Arg Lys Ser Arg Ser Lys Asp Tyr Asp Val Tyr Ser Asp Asn Asp
 65 70 75 80
 Ile Cys Ser Gln Glu Ser Glu Asp Asn Phe Ala Lys Glu Leu Gln Gln
 85 90 95
 Tyr Ile Gln Ala Arg Glu Met Ala Asn Ala Ala Gln Pro Glu Glu Ser
 100 105 110
 Thr Lys Lys Glu Gly Val Lys Asp Thr Pro Gln Ala Ala Lys Gln Lys
 115 120 125
 Asn Lys Asn Leu Lys Ala Gly His Lys Asn Gly Lys Gln Lys Lys Met
 130 135 140
 Lys Arg Lys Trp Pro Gly Pro Gly Asn Lys Gly Ser Asn Ala Leu Leu
 145 150 155 160
 Arg Asn Ser Gly Ser Gln Glu Glu Asp Gly Lys Pro Lys Glu Lys Gln
 165 170 175
 Gln His Leu Ser Gln Ala Phe Ile Asn Gln His Thr Val Glu Arg Lys
 180 185 190
 Gly Lys Gln Ile Cys Lys Tyr Phe Leu Glu Arg Lys Cys Ile Lys Gly
 195 200 205
 Asp Gln Cys Lys Phe Asp His Asp Ala Glu Ile Glu Lys Lys Lys Lys
 210 215 220
 Lys Thr Arg
 225

<210> 137
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 137
 Met Lys Leu Ile Tyr Tyr Cys His Leu Val Asp Ile Leu Leu Leu Gln
 1 5 10 15
 Ala Ile Ile Lys Xaa Asn Ala Gly Met
 20 25

<210> 138
 <211> 132

<212> PRT
 <213> Homo sapiens

<400> 138
 Met Ile Glu Cys Pro Asp Trp Ala Arg Thr Ala Ser Leu Ala Lys Gln
 1 5 10 15
 Arg Arg Lys Val Phe Lys Gln Met Leu Ser Ser Phe Leu His Phe His
 20 25 30
 Phe Asn Ser Met Met Pro Leu Cys Pro Ser Asp Asp Ile Ser Pro Gly
 35 40 45
 Val Trp Asp Ser Ala Gly Leu Pro Cys Leu Leu Arg Arg Leu Pro Gly
 50 55 60
 His His Gln Ala Gly Lys Pro Gln Ser Pro Pro Ser Ser Thr Trp Asp
 65 70 75 80
 Pro Trp Ala Ser Ser Ile Ser Leu Thr Arg Lys Pro Val Leu Leu Leu
 85 90 95
 Ile Leu Gly Pro His Pro Arg Pro Ile Gln Arg Lys Thr Pro Gly Ala
 100 105 110
 Ala Leu Gly Ser Leu Cys Phe His Gln Ile Cys Val Lys Thr Gln Met
 115 120 125
 Asn Gln Pro Arg
 130

<210> 139
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 139
 Met Phe Tyr Val Tyr Asp His Ser Met Tyr Val Asp Thr His Thr His
 1 5 10 15
 Thr His Val Pro Ser Leu Tyr Thr Asn Gly Asn Ile Leu Lys Ile Leu
 20 25 30
 Phe Cys Thr Phe Thr Val Gln Val Pro Tyr Ser Pro Leu Ser Thr Trp
 35 40 45
 Gln Arg Pro Lys Pro Val Lys Gly Arg Val Ser Thr Trp Pro Pro Ser
 50 55 60
 Ser Met Ser Ser Ala Arg Ser Pro Gln Gly Pro
 65 70 75

<210> 140
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 140

Met Pro His Ile Phe Val Ser Gly Asn Phe Ser Leu Leu Ala Leu Phe
1 5 10 15

Leu Leu Ser Ala Asn Phe Ile Val Glu Val Gln Ser Trp Leu Leu Leu
20 25 30

Leu Leu Phe Phe Ile Xaa Leu Gly Arg Ser Tyr Asn Phe Tyr Leu Leu
35 40 45

Cys Asp Ser Ile Ile Phe
50

<210> 141

<211> 67

<212> PRT

<213> Homo sapiens

<400> 141

Met Lys Leu Leu Leu Leu Thr Leu Thr Val Leu Leu Leu Leu Ser Gln
1 5 10 15

Leu Thr Pro Gly Gly Thr Gln Arg Cys Trp Asn Leu Tyr Gly Lys Cys
20 25 30

Arg Tyr Arg Cys Ser Lys Lys Glu Arg Val Tyr Val Tyr Cys Ile Asn
35 40 45

Asn Lys Met Cys Cys Val Lys Pro Lys Tyr Gln Pro Lys Glu Arg Trp
50 55 60

Trp Pro Phe
65

<210> 142

<211> 55

<212> PRT

<213> Homo sapiens

<400> 142

Met Val Lys Leu Ser Lys Glu Ala Lys Gln Arg Leu Gln Gln Leu Phe
1 5 10 15

Lys Gly Ser Gln Phe Ala Ile Arg Trp Gly Phe Ile Pro Leu Val Ile
20 25 30

Tyr Leu Gly Phe Lys Arg Gly Ala Asp Pro Gly Met Pro Glu Pro Thr
35 40 45

Val Leu Ser Leu Leu Trp Gly
50 55

<210> 143

<211> 75
<212> PRT
<213> Homo sapiens

<400> 143
Met Ala Arg Ile Thr Gly Pro Pro Glu Arg Asp Asp Pro Tyr Pro Val
1 5 10 15
Leu Phe Arg Tyr Leu His Ser His His Phe Leu Glu Leu Val Thr Leu
20 25 30
Leu Leu Ser Ile Pro Val Thr Ser Ala His Pro Gly Val Leu Gln Ala
35 40 45
Thr Lys Asp Val Leu Lys Phe Leu Ala Gln Ser Gln Lys Gly Leu Leu
50 55 60
Phe Phe Met Ser Glu Tyr Glu Ala Thr Ile Tyr
65 70 75

<210> 144
<211> 35
<212> PRT
<213> Homo sapiens

<400> 144
Met Leu Phe Gln Cys Gln Val Leu Leu Ser Ile Phe Ser Phe Leu Glu
1 5 10 15
Pro Val Leu Ser Ser Gly Ser Ser Arg Leu Val Phe Tyr Asn Leu Ser
20 25 30
Asn Ile Met
35

<210> 145
<211> 31
<212> PRT
<213> Homo sapiens

<400> 145
Met Ala Leu Leu Val Leu Thr Leu Tyr Cys Ile Leu Phe Leu Lys Ile
1 5 10 15
Tyr Met Pro Val Pro Ser His Cys Glu Gln Phe Lys Gly Arg Asn
20 25 30

<210> 146
<211> 73
<212> PRT
<213> Homo sapiens

<400> 146
Met Thr Thr Leu Phe Glu Thr Asp Arg Cys Leu Leu Phe Leu Val Met
1 5 10 15
Ser Arg Phe Gly Phe Lys Ser Arg Leu Glu Ala Thr Ser Cys Lys Gln

<210> 150
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 150
 Met Ile Leu Thr Phe Cys Val Phe Leu Leu Phe Ser Phe His Asn Ala
 1 5 10 15
 Ile Lys Ser Thr Pro Phe Leu Lys Phe
 20 25

<210> 151
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 151
 Met Ser Ser Val Ser Leu Ser Ala Ser Ser Ser Ser Ser Ser Lys Val
 1 5 10 15
 Pro Arg Val Arg Ile Lys Ser Glu Gly Cys Ser Thr Gly Asp Lys Leu
 20 25 30
 Ser Leu Ala Val Pro Ala Ser Lys Ala Thr Glu Pro Ile Ser Phe Arg
 35 40 45
 Arg Arg Ser Ser Cys Ser Leu Cys Cys Trp Leu Ser Ala Leu Ala Ser
 50 55 60
 Asp Phe Phe Arg Arg Ser Tyr Ser Gly Arg Tyr Ser Leu Ser Tyr Ser
 65 70 75 80
 Ser Ala Ala Leu Val Thr Cys Thr Lys Ser Ser Ser Asn Pro Val Pro
 85 90 95
 Arg Thr Ala Glu Thr Pro Thr Thr Leu Ser Glu Leu
 100 105

<210> 152
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 152
 Met Glu Val Leu Phe Asp Ser Leu Leu Phe Ser Ser Phe Ile Phe Pro
 1 5 10 15
 Ser Gln Ser Leu Leu Ser Arg Thr Ser Ala Phe Ser His Lys Pro Asn
 20 25 30
 Gly Leu Ser Glu
 35

<210> 153
 <211> 32
 <212> PRT

<213> Homo sapiens

<400> 153

Met Gly Pro Lys Ser Gln Thr Glu Arg Thr Ser Ser Leu Met Pro His
1 5 10 15

Gln Val Arg Glu Arg Arg Ala His Ile Pro Gln Met Pro Met Asn Thr
20 25 30

<210> 154

<211> 47

<212> PRT

<213> Homo sapiens

<400> 154

Met Gly Ile Met Leu Leu Ser Tyr Ser Asn Gly Thr Val Leu Phe Ile
1 5 10 15

Phe Val Pro Gln Ile Thr Ser Ser Val Leu Ser Val Phe Cys Ile Val
20 25 30

Phe Val Gln Asp Ser Leu Gly Phe Ile Ser Val Ile Ser Ala Phe
35 40 45

<210> 155

<211> 74

<212> PRT

<213> Homo sapiens

<400> 155

Met Asp Tyr Ser Arg Ile Ile Glu Arg Leu Leu Lys Leu Ala Val Pro
1 5 10 15

Asn His Leu Ile Trp Leu Ile Phe Phe Tyr Trp Leu Phe His Ser Cys
20 25 30

Leu Asn Ala Val Ala Glu Leu Met Gln Phe Gly Asp Arg Glu Phe Tyr
35 40 45

Arg Asp Trp Trp Asn Ser Glu Ser Val Thr Tyr Phe Trp Gln Asn Trp
50 55 60

Asn Ile Pro Val His Lys Trp Cys Ile Arg
65 70

<210> 156

<211> 49

<212> PRT

<213> Homo sapiens

<400> 156

Met Gly Gln Ser Phe Ser Leu Tyr Met Ile Phe Gln Ile Phe Thr Thr
1 5 10 15

Phe Leu Val Pro Leu Asp Ala Arg His Cys Leu Leu Glu Thr His Trp
 20 25 30

Tyr Val Thr Ala Gly Phe Thr Met Glu Pro His Ile His Met Ser Trp
 35 40 45

Asn

<210> 157
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 157
 Met Pro Gly Ile Phe Ile Leu Phe Met Thr Leu Ala Ser Thr Phe Asp
 1 5 10 15

Gln Arg Leu Leu Asn Asp Ser Gln Pro Lys Asp His Ser
 20 25

<210> 158
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 158
 Met Thr Ser Tyr Ile Ile Asn Leu Ser Phe Phe Leu Pro Leu Ala Thr
 1 5 10 15

Arg Lys Val Ser Ala Lys Pro Cys Gly
 20 25

<210> 159
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 159
 Met Ser Ser Gly Leu Phe Leu Val Leu Phe Cys Phe Leu Cys Val Phe
 1 5 10 15

Val Gly Phe Phe Asp Phe His Cys Trp Cys Asp Ile Leu Val Lys Ser
 20 25 30

Ser

<210> 160
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 160
 Met Gln Asn Asp Gly Leu Lys Phe Met Glu Met Val Leu His Val Leu
 1 5 10 15

Gln Ala Ser Ile Gly Val Leu Leu Leu Met Val Asp Val Leu Glu His
20 25 30

Phe Leu Ala Met Leu Ile Gly Asn Ala Gly Ala Pro Leu Pro Leu Leu
35 40 45

Asp Val Leu Gly Lys Asp Val Ile Asp Val Ala Glu Arg Arg Glu Ser
50 55 60

Lys Lys
65

<210> 161
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 161
Met Asn Ser Thr Cys Gly Phe Val Thr Ser Ile Asn Gln Ile Phe Leu
1 5 10 15

Ile Ile Leu Trp Xaa Leu Tyr Leu Pro Leu Leu Thr Thr Thr Leu Glu
20 25 30

Ile Trp Glu Leu Leu Xaa Leu Leu His
35 40

<210> 162
<211> 72
<212> PRT
<213> Homo sapiens

<400> 162
Met Asp Thr Arg Gly Val Val Leu Arg Ser Gly Glu Phe Asn Arg Gln
1 5 10 15

Glu Gly Arg Glu Lys Thr Glu Gly Arg Ser Ser Ser Ile Trp Arg Gln
20 25 30

Arg Glu Gly Gly Ser Lys Ala Lys Arg Gly Gly Pro Gln Val Gln Trp
35 40 45

Thr Pro Ala Lys Tyr Ile Cys Arg Gly Trp Lys Gly Arg Cys Leu Ile
50 55 60

Tyr Ile Gly Leu Arg Gly Leu Val
65 70

<210> 163
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 163
 Met Val Ser Asp Ile Ser Gly Gln Lys Gln Ser Leu Glu Ala Val Lys
 1 5 10 15
 Glu His Leu Leu Phe Ile Trp Leu Pro Val Tyr Lys Ser Thr His Glu
 20 25 30
 Gly Pro Asn Ser Lys Ile Ser Asn Tyr Gln Val Leu
 35 40

<210> 164
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 164
 Met Ala Ala Val Met Leu Val Leu Thr Val Val Leu Gly Leu Tyr Asn
 1 5 10 15
 Ser Tyr Asn Ser Cys Ala Glu Gln Ala Asp Gly Pro Leu Gly Arg Ser
 20 25 30
 Thr Cys Ser Ala Ala Pro Gly Thr Pro Gly Gly Ala Gln Asp Ser Ser
 35 40 45
 Met Ser Ser Leu Gln Ser Ser Arg Lys Pro His Thr
 50 55 60

<210> 165
 <211> 109
 <212> PRT
 <213> Homo sapiens

<400> 165
 Met Val Leu Thr Gly Val Arg Leu Met Lys Trp Arg Asp Glu Lys Thr
 1 5 10 15
 Phe Gly Thr Asp Cys Val Glu Ala Val Ile Leu Leu Val Thr Leu Leu
 20 25 30
 Trp Glu Lys Lys Glu Ala Phe His Val Gly Phe Ser Glu Glu Leu Gln
 35 40 45
 Tyr Phe Pro Glu Arg Ser Thr Glu Lys Leu Lys Val Phe Glu Trp Glu
 50 55 60
 Glu Glu Lys Gln Thr Thr Ala Thr Ser Glu Asp Asn Thr Lys His Leu
 65 70 75 80
 Val His Ser Val Tyr Thr Arg Gly Ala Val Asn Phe Leu Val Glu Lys
 85 90 95

Glu Leu Ser Leu Glu Lys Tyr Leu Lys Lys Pro Leu Lys
100 105

<210> 166
<211> 42
<212> PRT
<213> Homo sapiens

<400> 166
Met Gly Ser Trp Phe Tyr Leu Phe Leu Ala Pro Leu Phe Lys Gly Leu
1 5 10 15
Ala Gly Ser Leu Pro Phe Gly Cys Leu Ser Leu Leu Gln Pro Thr Glu
20 25 30
Lys Thr Ala Leu Gln Ser Gly Gly Ser Ser
35 40

<210> 167
<211> 40
<212> PRT
<213> Homo sapiens

<400> 167
Met Phe Ile Phe Arg Asp Gly Leu Thr Met Phe Ser Arg Leu Val Ser
1 5 10 15
Asn Ser Cys Pro Gln Val Ile Leu Pro Ser Trp Pro Pro Glu Ser Leu
20 25 30
Gly Gly Ser Gly Arg Arg Ile Ser
35 40

<210> 168
<211> 63
<212> PRT
<213> Homo sapiens

<400> 168
Met Gly Gln Thr Glu Ala Met Gln Glu Glu Met Arg Thr Arg Thr Cys
1 5 10 15
Thr Thr Thr Pro Gln Pro Met Glu Thr Ile Arg Gln Asn Lys Thr Arg
20 25 30
Arg His Met Thr Arg Lys Gln Ala Trp Thr Leu Gln Lys Cys Gln Cys
35 40 45
His Glu Arg Gln Lys Leu Gly Met Leu Phe Trp Ile Lys Gly Asp
50 55 60

<210> 169
<211> 103
<212> PRT
<213> Homo sapiens

<400> 169

Met Gly Ser Trp Cys Leu Arg Gly Gly Ala Val Glu Glu Pro Ala Leu
1 5 10 15

Gln Ser Arg Glu Met Gly Tyr Ile Pro Val Leu Leu Pro Ser Ile Gly
20 25 30

Leu Glu Val Ser Gln Leu Leu Ala Gly Ala Gly Asp Ile Arg Asp Pro
35 40 45

Pro Asn Gln Glu Ile Pro His Gln Leu Phe Ser Arg Asp Val Ala Asn
50 55 60

Pro Ile Cys Arg Asp Phe Ile Thr Arg Glu Thr Leu Ser Thr Glu Ile
65 70 75 80

Leu Met Ile Asp Ile Leu Leu Thr Arg Ser Ser Pro Leu Thr Phe Cys
85 90 95

Leu Tyr Arg Asp Ala Phe Asp
100

<210> 170

<211> 45

<212> PRT

<213> Homo sapiens

<400> 170

Met Phe Lys Asp Phe Ile Phe Leu Thr Phe Leu Pro Lys Leu Ser Gln
1 5 10 15

Phe Val Lys Gly Ser Leu Ile Ser Gly Leu Ser Glu Cys Asp Asn Thr
20 25 30

Ser Leu Lys Ala Ile Leu Gly Phe Ser Asn Tyr Ser Gln
35 40 45

<210> 171

<211> 47

<212> PRT

<213> Homo sapiens

<400> 171

Met Ser Trp Gly Tyr Phe Leu Gly Ala Ser Val Leu Leu Gln Asn Phe
1 5 10 15

Phe Ser Ser Tyr Leu Leu Thr Pro Ser Gly Lys Ile Ile Glu Glu Val
20 25 30

Thr Val Val Lys Ala Ser Val Asn Ser Ile Ser Lys Asn Phe Met
35 40 45

<210> 172

<211> 71

<212> PRT

<213> Homo sapiens

<400> 172
Met Arg Ala Thr Ile Val Arg Pro Tyr Cys Gln Glu Gly Gly Phe Trp
1 5 10 15
Leu Leu Ala Leu Val Tyr Lys Gly Ala Arg Ala Ala Pro Leu Asp Tyr
20 25 30
Ser Trp Glu Asp Ser Asp Ala Gly Arg Leu Leu Leu Pro Trp Val Thr
35 40 45
Ser Ser Leu Leu Ala Asp Ile Trp Gly Phe Asp Pro Phe Phe Phe Asn
50 55 60
Leu Leu Leu Leu Arg Cys Ile
65 70

<210> 173
<211> 153
<212> PRT
<213> Homo sapiens

<400> 173
Met Cys Glu Ser Asn Ser Thr Met Pro Gly Pro Ser Leu Glu Ser Pro
1 5 10 15
Val Ser Thr Pro Ala Gly Lys Ile Gly Leu Ala Val Cys Tyr Asp Met
20 25 30
Arg Phe Pro Glu Leu Ser Leu Ala Leu Ala Gln Ala Gly Ala Glu Ile
35 40 45
Leu Thr Tyr Pro Ser Ala Phe Gly Ser Ile Thr Gly Pro Ala His Trp
50 55 60
Glu Val Leu Leu Arg Ala Arg Ala Ile Glu Thr Gln Cys Tyr Val Val
65 70 75 80
Ala Ala Ala Gln Cys Gly Arg His His Glu Lys Arg Ala Ser Tyr Gly
85 90 95
His Ser Met Val Val Asp Pro Trp Gly Thr Val Val Ala Arg Cys Ser
100 105 110
Glu Gly Pro Gly Leu Cys Leu Ala Arg Ile Asp Leu Asn Tyr Leu Arg
115 120 125
Gln Leu Arg Arg His Leu Pro Val Phe Gln His Arg Arg Pro Asp Leu
130 135 140
Tyr Gly Asn Leu Gly His Pro Leu Ser
145 150

<210> 174
<211> 53
<212> PRT
<213> Homo sapiens

<400> 174

Met Lys Val Gln Ser Phe Tyr Lys Thr Leu Ile Pro Leu Leu Thr Ile
1 5 10 15

Phe Met Met Val Ala Leu Val Asn Phe Thr Gly Lys Lys Asn Ser Gln
20 25 30

Asn Tyr Pro Ala Gly Asn Ile Ser Ser Leu Pro Lys Asp Lys Thr Val
35 40 45

Lys Thr Arg Leu Gly
50

<210> 175

<211> 45

<212> PRT

<213> Homo sapiens

<400> 175

Met Ala Trp Val Thr Ser Tyr Gly Pro Leu Glu Asp Glu Ser Asn Pro
1 5 10 15

Ser His Trp Phe Phe Phe Ala Asn Ser Phe Ala Phe Ile Phe Leu Ile
20 25 30

Thr Ile Asn Ser Ile Phe His Val Leu Arg Ala Pro Gly
35 40 45

<210> 176

<211> 178

<212> PRT

<213> Homo sapiens

<400> 176

Met Ala Lys Val Ala Lys Asp Leu Asn Pro Gly Val Lys Lys Met Ser
1 5 10 15

Leu Gly Gln Leu Gln Ser Ala Arg Gly Val Ala Cys Leu Gly Cys Lys
20 25 30

Gly Thr Cys Ser Gly Phe Glu Pro His Ser Trp Arg Lys Ile Cys Lys
35 40 45

Ser Cys Lys Cys Ser Gln Glu Asp His Cys Leu Thr Ser Asp Leu Glu
50 55 60

Asp Asp Arg Lys Ile Gly Arg Leu Leu Met Asp Ser Lys Tyr Ser Thr
65 70 75 80

Leu Thr Ala Arg Val Lys Gly Gly Asp Gly Ile Arg Ile Tyr Lys Arg
85 90 95

Asn Arg Met Ile Met Thr Asn Pro Ile Ala Thr Gly Lys Asp Pro Thr
100 105 110

Phe Asp Thr Ile Thr Tyr Glu Trp Ala Pro Pro Gly Val Thr Gln Lys
115 120 125

Leu Gly Leu Gln Tyr Met Glu Leu Ile Pro Lys Glu Lys Gln Pro Val
 130 135 140

Thr Gly Thr Glu Gly Ala Phe Thr Ala Ala Ala Ser Ser Cys Thr Ser
 145 150 155 160

Ser Pro Ser Met Thr Arg Ile Pro Arg Ala Ala Val Asp Phe Trp Arg
 165 170 175

Met Ser

<210> 177
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 177
 Met Glu Gly Leu Met Leu Pro Leu Leu Ser Val Ile Tyr Ser Glu Gly
 1 5 10 15

Thr Val Trp Glu Glu Ile Ile Val Ser Gly Arg Gln Tyr Tyr
 20 25 30

<210> 178
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 178
 Met Gln Trp Gly Glu Gly Ala Gly Pro Ser Trp Val Tyr Ile Leu Ser
 1 5 10 15

Trp Asp Ser Arg Ala Ser Leu Cys Met Cys Ala Ala Ser Arg Tyr Leu
 20 25 30

Cys Thr Gly Thr Asp Pro Pro Thr Arg Gly Asp Thr Ser Thr Pro His
 35 40 45

Lys Ala Ile Leu Pro Leu Asp Pro Cys Pro Gln Ile Ser Arg Thr Ala
 50 55 60

Arg Ala Glu Phe Leu Gln Pro Gly Gly Ser Thr Ser Ser Arg Ala Ala
 65 70 75 80

Ala Thr Ala Val Glu Leu Gln Leu Leu Phe Pro Leu Val Arg Val Asn
 85 90 95

Phe Glu Leu Gly Val Ile Met Val Ile Ala Val Ser Cys Val Lys Leu
 100 105 110

Leu Ser Ala His Asn Ser Thr Gln His Thr Ser Arg Lys His Lys Val
 115 120 125

<210> 179
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 179
 Met Leu Tyr Ile Leu Leu Lys Pro Leu Leu Cys Leu Ser Val Asn Cys
 1 5 10 15
 Thr Asn Ile Tyr Gln Met Leu Thr Lys Ser Gln Gly Leu Asp Leu Ala
 20 25 30
 Leu Gly Arg Asn
 35

<210> 180
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 180
 Met Trp Gln His Cys Phe Val Ile Leu Phe Val Gln Val Met His Thr
 1 5 10 15
 Val Leu Ile Lys Gly Ser Asn Lys Tyr Trp Gly Leu Phe Phe Phe Phe
 20 25 30
 Pro Gln Gly Ile Leu
 35

<210> 181
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 181
 Met Tyr Thr Phe Ile Cys Thr Trp Leu Trp Arg Asp Lys Leu Ile His
 1 5 10 15
 Ile Gly Leu Gln Ile Ser Leu Thr Gly Arg Arg Ala Gln Lys Asn Asn
 20 25 30
 Ile Phe Leu His Phe Phe Gly Ser Ile Leu Lys Asn Lys Lys Gly Thr
 35 40 45
 Pro Lys Gly Ser Leu Val Thr Pro Leu Leu Gly Phe Leu Ile Thr Asn
 50 55 60
 Ile Ile Phe Thr Cys Lys Val Asn Gly Pro Leu Ile Ser
 65 70 75

<210> 182
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>

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<221> MISC_FEATURE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 182
Met Leu Pro Leu Met Thr Tyr Ile Ile Gln Tyr Ile Tyr Thr Tyr Ile
 1              5              10              15

Xaa Xaa Val Arg Val Leu Ala Ile Leu Phe Leu Arg Arg Val Leu Ser
      20              25              30

Gln Thr Leu Leu His Ala Val Tyr Gly Val Ser Cys Val Leu Ile Phe
      35              40              45


<210> 183
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 183
Met Leu Leu Tyr Tyr Ser Val Met Thr Leu Ser Ser Leu Gly Gln Asp
 1              5              10              15

Pro Ser Leu Pro Thr Phe Ala Asp Arg His Ser Gly Met Trp Arg Gln
      20              25              30

Gln Cys Val Pro Xaa Thr Phe Leu Tyr Pro Pro Ala Val Gly Ser Thr
      35              40              45

Gln Trp Lys Gly Asp Met Thr Leu Ile Leu Leu Phe
      50              55              60


<210> 184
<211> 48
<212> PRT
<213> Homo sapiens

<400> 184
Met Gly Phe Ser His Arg Ser Pro Pro Val Ala His Pro Arg Ala Arg
 1              5              10              15

Asn Arg Arg Ser Gln Glu Val Val Thr Glu Leu Gly Pro Cys Leu Leu
      20              25              30

Leu Cys Thr Leu Leu Val Gln Thr Gly Val Val Gly Ser Gln Ala Leu

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35

40

45

<210> 185

<211> 57

<212> PRT

<213> Homo sapiens

<400> 185

Met Cys Gly Val Thr Tyr Ala Trp Tyr Met Pro Leu Leu Leu Lys
 1 5 10 15

Phe Tyr Ser Leu Leu Leu Ala Gln Val Leu Leu Asn Pro Phe Leu Met
 20 25 30

Cys Thr Gly Trp Arg Lys Asn Tyr Ser Gln His Phe Glu Arg Lys Val
 35 40 45

Phe Arg Asn Asn Ile Asn Trp His Tyr
 50 55

<210> 186

<211> 84

<212> PRT

<213> Homo sapiens

<400> 186

Met Tyr Leu Ile His Leu Tyr Gln Val Leu Lys Tyr Leu Asp Lys Ser
 1 5 10 15

Lys Tyr Phe Val Phe Ser Phe Phe Leu Leu Ser Ile Leu Leu Thr Thr
 20 25 30

Val Lys Arg Cys Ser Ile Leu Ile Trp Ser Val Leu Arg Arg Lys Thr
 35 40 45

Met Lys Ala Glu Leu Val Cys Ala Thr Gln Ser Lys Pro Leu Leu Phe
 50 55 60

Phe Trp Lys Asp Gly Val Met Phe Phe Lys Asp Ser Asn Lys Tyr Pro
 65 70 75 80

Ala Val Ile Ser

<210> 187

<211> 31

<212> PRT

<213> Homo sapiens

<400> 187

Met Ser Lys Arg Phe Thr Leu Asp Tyr Leu Phe Leu Ser Glu Ile Val
 1 5 10 15

Leu Cys Leu Phe Tyr Tyr Leu Leu Leu Ile Arg Ala Leu Ala Leu

<210> 190
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 190
 Met His Gln Val Ser Thr Cys Phe Gly Pro Gly Arg Gly Leu Ala Leu
 1 5 10 15
 Thr Phe Met Thr Leu His Ser Phe Arg Glu Ala Ile Thr Leu Asp Cys
 20 25 30
 Asn Thr Asn Asp Arg Arg Pro Ser Gly Gln Arg Pro Pro Arg Pro Ser
 35 40 45
 Ala Pro Gln Arg Arg Gly Pro Arg Gly Arg Arg Cys Pro Ser Cys Ser
 50 55 60
 Pro Cys Ala Leu Ser Leu Thr Ser Pro Gly Ser Cys Leu Leu Lys Thr
 65 70 75 80
 Pro Val Phe Thr Pro Tyr Lys Ala Ser Ser Glu Gln Thr Gly Arg Pro
 85 90 95
 Leu Val Glu Pro Ala His Pro Val Pro Ser Ala Trp Arg Pro Gly Pro
 100 105 110
 Arg Ala

<210> 191
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 191
 Met Cys Ile Phe Glu Cys Met Cys His Phe Phe Ile Asp Ile Ser Asn
 1 5 10 15
 His Tyr Tyr Val Val Arg Phe Tyr Pro Glu Asp Ser Leu Pro Lys Thr
 20 25 30
 Phe Ile Tyr Asp Pro Phe Lys Ala
 35 40

<210> 192
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <400> 192

Met Lys Asn Met His Val Tyr Leu Asn Tyr Asn Asn Phe Leu Leu Xaa
 1 5 10 15

Leu Leu Arg Leu Met Leu Asn Ile Cys Ser Phe Thr Gln Pro Leu Val
 20 25 30

Ala Glu Glu Glu Arg Pro Leu Thr Pro Leu
 35 40

<210> 193

<211> 65

<212> PRT

<213> Homo sapiens

<400> 193

Met Asp Glu Glu Arg Glu Ile Ile Ser His Gly Glu Phe Cys Asn Val
 1 5 10 15

Ser Arg Glu Arg Asp Trp Val Gly Arg Gln Ala Ser Gln Phe Val Lys
 20 25 30

Cys Lys Gly Thr Thr His Arg Thr Leu Ser Leu Thr Arg Ala Val Ser
 35 40 45

Tyr Val Val Leu Ser Pro Leu Ala Lys Asp Leu Pro Leu Leu Ala Ser
 50 55 60

Asp
 65

<210> 194

<211> 63

<212> PRT

<213> Homo sapiens

<400> 194

Met Val Cys Gly Val Phe Cys Cys Leu Pro Leu Glu Val Leu Pro Phe
 1 5 10 15

Ser Arg Pro Ile Asn Val Leu Trp Leu Leu Asn Tyr Ser Ser Thr Leu
 20 25 30

Gln Cys Thr Gly Phe Pro Pro Gly Val Asn Thr Asn Gly Gly His Leu
 35 40 45

Leu Val Phe Leu Glu Val Leu Gly Glu Phe Ser Asp Leu Trp Leu
 50 55 60

<210> 195

<211> 58

<212> PRT

<213> Homo sapiens

<400> 195

Met Asp Lys Asn Val Thr Arg Ser Arg Thr Ile Lys Leu Val Gln Ala
 1 5 10 15

Ser Trp Thr Pro Pro Phe Gln Leu Pro Ala Phe Cys Leu Met Pro Val
20 25 30

Cys Gln Trp Leu Glu Leu Gly Leu Leu Phe Arg Thr Ser Val Ala Ile
35 40 45

Leu Ile Leu Pro Trp Gly His Asn Cys Pro
50 55

<210> 196

<211> 29

<212> PRT

<213> Homo sapiens

<400> 196

Met Tyr Phe Ser Leu Leu Val Leu Leu Phe Ser Pro Ser Val Leu Phe
1 5 10 15

Leu Ala Arg Lys Lys Cys Thr Arg Asn Asn Thr Leu Asn
20 25

<210> 197

<211> 51

<212> PRT

<213> Homo sapiens

<400> 197

Met Trp Trp Trp Leu Met Leu Ala Thr Thr Ala Leu Lys Pro Ile Ala
1 5 10 15

Thr Ser Ser Ser Cys Thr Glu Ala Leu Pro Gly Leu Trp Arg Asp Arg
20 25 30

His Trp Gly Asp Trp Thr Arg Gly Ser Gly Trp Glu Val Gly Gln Thr
35 40 45

Trp Gln His
50

<210> 198

<211> 125

<212> PRT

<213> Homo sapiens

<400> 198

Met Ala Phe Asn Gly Ile Ile His Ala Leu Ala Ser Pro Leu Leu Ala
1 5 10 15

Pro Pro Gln Pro Gln Ala Val Leu Ala Pro Glu Ala Pro Pro Val Ala
20 25 30

Ala Gly Val Gly Ala Val Leu Ala Ala Gly Ala Leu Leu Gly Leu Val
35 40 45

Ala Gly Ala Leu Tyr Leu Arg Ala Arg Gly Lys Pro Met Gly Phe Gly
50 55 60

Phe Ser Ala Phe Gln Ala Glu Asp Asp Ala Asp Asp Asp Phe Ser Pro
65 70 75 80

Trp Gln Glu Gly Thr Asn Pro Thr Leu Val Ser Val Pro Asn Pro Val
85 90 95

Phe Gly Ser Asp Thr Phe Cys Glu Pro Phe Asp Asp Ser Leu Leu Glu
100 105 110

Glu Asp Phe Pro Asp Thr Gln Arg Ile Leu Thr Val Lys
115 120 125

<210> 199

<211> 134

<212> PRT

<213> Homo sapiens

<400> 199

Met Val Glu Asn Ser Pro Ser Pro Leu Pro Glu Arg Ala Ile Tyr Gly
1 5 10 15

Phe Val Leu Phe Leu Ser Ser Gln Phe Gly Phe Ile Leu Tyr Leu Val
20 25 30

Trp Ala Phe Ile Pro Glu Ser Trp Leu Asn Ser Leu Gly Leu Thr Tyr
35 40 45

Trp Pro Gln Lys Tyr Trp Ala Val Ala Leu Pro Val Tyr Leu Leu Ile
50 55 60

Ala Ile Val Ile Gly Tyr Val Leu Leu Phe Gly Ile Asn Met Met Ser
65 70 75 80

Thr Ser Pro Leu Asp Ser Ile His Thr Ile Thr Asp Asn Tyr Ala Lys
85 90 95

Asn Gln Gln Gln Lys Lys Tyr Gln Glu Glu Ala Ile Pro Ala Leu Arg
100 105 110

Asp Ile Ser Ile Ser Glu Val Asn Gln Met Phe Phe Leu Ala Ala Lys
115 120 125

Glu Leu Tyr Thr Lys Asn
130

<210> 200

<211> 80

<212> PRT

<213> Homo sapiens

<400> 200

Met Glu Ala Lys Phe Leu Gly Asn Ala Pro Cys Gly His Tyr Thr Phe
1 5 10 15

Lys Phe Pro Gln Ala Met Arg Thr Glu Ser Asn Leu Gly Ala Lys Val
20 25 30

Phe Phe Phe Lys Ala Leu Leu Leu Thr Gly Asp Phe Ser Gln Ala Gly

35 40 45
 Asn Lys Gly His His Val Trp Val Thr Lys Asp Glu Leu Gly Asp Tyr
 50 55 60
 Leu Lys Pro Lys Tyr Leu Ala Gln Val Arg Arg Phe Val Ser Asp Leu
 65 70 75 80

<210> 201
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 201
 Met Leu Thr Phe Leu Ile Phe Leu Phe Pro Glu Val Val Leu Gly Leu
 1 5 10 15
 Leu Arg Asp Tyr Ser Ser
 20

<210> 202
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 202
 Met Leu Val Glu Lys Ile Leu Leu Ile Glu Cys Leu Ser Ser Glu Ser
 1 5 10 15
 Gln Leu Ile Gly Phe Leu Leu
 20

<210> 203
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 203
 Met His Val Tyr Leu Asn Tyr Lys
 1 5

<210> 204
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 204
 Met Val Glu Ser Asn Leu Pro Gly Pro Ala
 1 5 10

<210> 205
 <211> 40

<212> PRT
<213> Homo sapiens

<400> 205
Asn Ser Ala Arg Ala Lys Met Arg Leu Ser Thr Asn Leu Cys Ile Ile
1 5 10 15
Leu Ile Asn Ile Leu Ile Gln Asn Val Leu Asn Phe Asn Arg Lys Ile
20 25 30
Ile Phe Lys Phe Leu Pro Cys Ala
35 40

<210> 206
<211> 48
<212> PRT
<213> Homo sapiens

<400> 206
His Glu Gly Thr Trp Arg Trp Glu Ala Pro Thr Pro Leu Gln Ser Leu
1 5 10 15
Gly Pro Thr Thr Pro Ser Leu Pro Ser Val Ala Asp Leu Cys Gln Asp
20 25 30
Gly His Gly Gly Cys Ser Glu His Ala Asn Cys Ser Gln Val Gly Thr
35 40 45

<210> 207
<211> 8
<212> PRT
<213> Homo sapiens

<400> 207
Leu Ser Ala Gly Asn His Asp Thr
1 5

<210> 208
<211> 19
<212> PRT
<213> Homo sapiens

<400> 208
Glu Phe Gly Thr Arg Ser Leu Asp Pro Ser Gly Arg His Arg Val Gly
1 5 10 15
Ala Ala Gly

<210> 209
<211> 44
<212> PRT
<213> Homo sapiens

<400> 209

Ala Gln Gly Arg Cys Ser Arg Asp Gly Ala Ser Ala His Gly Gly Leu
1 5 10 15

Ser Val Pro Arg Trp Thr Cys Pro Ser Ser Gly Ser His Asn Pro Leu
20 25 30

Pro Leu His Tyr Phe Thr Gln Val Gly Thr Phe Pro
35 40

<210> 210

<211> 44

<212> PRT

<213> Homo sapiens

<400> 210

Cys Arg Val Ser Ala Leu Arg Glu Leu Lys Asp Ser Gln Arg His Gln
1 5 10 15

Gly Ser Leu Ala Gln Arg Ser Asn Ser Gln Ala Pro Arg Arg Thr Ala
20 25 30

Met Glu Arg Thr Glu Thr His Leu Gln Trp Gly Leu
35 40

<210> 211

<211> 45

<212> PRT

<213> Homo sapiens

<400> 211

Gly Thr Leu Pro Val Pro Gly Val Gln Ser Leu Pro Thr Pro Ser Leu
1 5 10 15

Cys Leu Pro Pro Ser Lys Gly Gly Val Thr Thr Ser Val Ala Lys His
20 25 30

Leu Leu Pro Gly Ser Leu His Pro Gly His Leu Ser Leu
35 40 45

<210> 212

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 212

Trp Ser Val Cys Leu Ser Val Pro Pro Ser Leu Asn Leu Leu Pro Pro
1 5 10 15

Cys Pro Leu Leu Leu Ala Pro Gly Ser Pro Xaa Pro Leu Leu Ala Ala
20 25 30

Pro Ser His Leu Thr Gln Gly Ser Leu Arg Thr Leu Lys Trp Trp Ile
 35 40 45

His Pro Glu
 50

<210> 213
 <211> 50
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 213
 Ser Pro Gly Leu Xaa Gly Ile Arg His Glu Gln Pro Ser Lys Leu Met
 1 5 10 15

Arg Leu Leu Ser Ser Asn Glu Asp Asp Ala Asn Ile Leu Ser Ser Pro
 20 25 30

Thr Asp Arg Ser Met Ser Ser Ser Leu Ser Ala Ser Gln Leu His Thr
 35 40 45

Val Asn
 50

<210> 214
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 214
 Gln Pro Ser Lys Leu Met Arg Leu Leu Ser Ser Asn Glu Asp Asp Ala
 1 5 10 15

Asn Ile Leu Ser Ser Pro Thr Asp Arg
 20 25

<210> 215
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 215
 Gln Leu His Thr Val Asn Met Arg Asp Pro Leu Asn Arg Val Leu Ala
 1 5 10 15

Asn Leu Phe Leu Leu Ile Ser Ser Ile Leu
 20 25

<210> 216
 <211> 17

<212> PRT
 <213> Homo sapiens
 <400> 216
 Gly Ser Arg Thr Ala Gly Pro His Thr Gln Phe Val Gln Trp Phe Met
 1 5 10 15
 Glu

<210> 217
 <211> 16
 <212> PRT
 <213> Homo sapiens
 <400> 217
 Lys Val Ser Ala Met Ser Ser Pro Lys Val Val Leu Ala Ile Thr Asp
 1 5 10 15

<210> 218
 <211> 41
 <212> PRT
 <213> Homo sapiens
 <400> 218
 Ile Leu Tyr Leu Val Trp Ala Phe Ile Pro Glu Ser Trp Leu Asn Ser
 1 5 10 15
 Leu Gly Leu Thr Tyr Trp Pro Gln Lys Tyr Trp Ala Val Ala Leu Pro
 20 25 30
 Val Tyr Leu Leu Ile Ala Ile Val Ile
 35 40

<210> 219
 <211> 20
 <212> PRT
 <213> Homo sapiens
 <400> 219
 Tyr Gly Phe Val Leu Phe Leu Ser Ser Gln Phe Gly Phe Ile Leu Tyr
 1 5 10 15
 Leu Val Trp Ala
 20

<210> 220
 <211> 12
 <212> PRT
 <213> Homo sapiens
 <400> 220
 Thr Ser Pro Leu Asp Ser Ile His Thr Ile Thr Asp

Arg Glu Pro Ala Thr Ile Asn Tyr Pro Phe Glu Lys Gly Pro Leu Ser
20 25 30

Pro Arg Phe Arg Gly Glu His Ala Leu Arg Arg Tyr Pro Ser Gly Glu
35 40 45

Glu Arg Cys Ile Ala Cys Lys Leu Cys Glu Ala Ile
50 55 60

<210> 225
<211> 57
<212> PRT
<213> Homo sapiens

<400> 225
Cys Pro Ala Gln Ala Ile Ile Glu Ala Glu Pro Arg Ala Asp Gly Ser
1 5 10 15

Arg Arg Thr Thr Arg Tyr Asp Ile Asp Met Thr Lys Cys Ile Tyr Cys
20 25 30

Gly Phe Cys Gln Glu Ala Cys Pro Val Asp Ala Ile Val Glu Gly Pro
35 40 45

Asn Phe Glu Phe Ser Thr Glu Thr His
50 55

<210> 226
<211> 19
<212> PRT
<213> Homo sapiens

<400> 226
Gly Asp Lys Trp Glu Ala Glu Ile Ala Ala Asn Ile Gln Ala Asp Tyr
1 5 10 15

Leu Tyr Arg

<210> 227
<211> 48
<212> PRT
<213> Homo sapiens

<400> 227
Ser Ala Ala Asp Pro Ala Thr Gln Pro Gly Asp Ser Arg Ala Leu Pro
1 5 10 15

Glu Pro Arg Gly Val Pro Ala Val His Pro Ala Gly Ser Gly Ser Glu
20 25 30

Trp Glu Arg Pro Pro Pro Ala Ala Pro Ser Pro Glu His Arg Asp Lys
35 40 45

<210> 228
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 228
 Asp Ser Arg Ala Leu Pro Glu Pro Arg Gly Val Pro Ala Val His Pro
 1 5 10 15
 Ala Gly Ser Gly Ser Glu Trp Glu
 20

<210> 229
 <211> 19
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 229
 Arg Arg Thr Ser Gly Ser Pro Xaa Ala Ala Gly Ile Arg His Glu Gly
 1 5 10 15
 Gly Phe Ile

<210> 230
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 230
 Ala His Gly Gln Ile Glu Gly Lys Ala Leu Thr His Asp His Thr Ala
 1 5 10 15
 Glu Lys Trp Gln Arg Gln Asp Leu Asn Leu Glu Pro Leu Ala Pro His
 20 25 30
 Thr Ser Asn Leu Asn His Ser Pro Tyr Asn Thr Thr Tyr Val Val Lys
 35 40 45

<210> 231
 <211> 149
 <212> PRT
 <213> Homo sapiens

<400> 231
 Met Asn Arg His Asn Phe Pro Cys Ser Val His Gln Tyr Glu Ser Ser
 1 5 10 15

Gly Thr Val Asn Asn Asp Asp Ser Asp Leu Leu Asp Ser Gln Val Gln
 20 25 30
 Tyr Ser Ala Glu Pro Gln Leu Tyr Gly Asn Ala Thr Ser Asp His Pro
 35 40 45
 Asn Asn Gln Asp Gln Ser Ser Ser Leu Pro Glu Glu Cys Val Pro Ser
 50 55 60
 Asp Glu Ser Thr Pro Pro Ser Ile Lys Lys Ile Ile His Val Leu Glu
 65 70 75 80
 Lys Val Gln Tyr Leu Glu Gln Glu Val Glu Glu Phe Val Gly Lys Lys
 85 90 95
 Thr Asp Lys Ala Tyr Trp Leu Leu Glu Glu Met Leu Thr Lys Glu Leu
 100 105 110
 Leu Glu Leu Asp Ser Val Glu Thr Gly Gly Gln Asp Ser Val Arg Gln
 115 120 125
 Ala Arg Lys Glu Ala Val Cys Lys Ile Gln Ala Ile Leu Glu Lys Lys
 130 135 140
 Lys Lys Lys Asn Ser
 145

<210> 232
 <211> 87
 <212> PRT
 <213> Homo sapiens

<400> 232
 Gly Ala Arg Ala Thr Ala Pro Val Thr Val Arg Pro Thr Ala Ala Thr
 1 5 10 15
 Thr Gly Leu Gly Val Glu Met Cys Arg Tyr Thr His Leu His Pro Tyr
 20 25 30
 Ile Leu Phe Ala Leu Asn Leu Pro Ser Leu Pro Phe Pro Gly Gly Cys
 35 40 45
 Ala Gly Ala Ala Arg Arg Arg Pro Pro Gly Trp Glu Lys Ala Glu Glu
 50 55 60
 Ala Met Ala Thr Ile Pro Arg Glu Ala Pro Gly Gln Ser Leu Val Glu
 65 70 75 80
 Pro Glu Glu Ala Thr Arg Val
 85

<210> 233
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 233
 Pro Val Thr Val Arg Pro Thr Ala Ala Thr Thr Gly Leu Gly Val Glu

1 5 10 15
 Met Cys Arg Tyr Thr His Leu His Pro
 20 25

 <210> 234
 <211> 25
 <212> PRT
 <213> Homo sapiens

 <400> 234
 Pro Tyr Ile Leu Phe Ala Leu Asn Leu Pro Ser Leu Pro Phe Pro Gly
 1 5 10 15

 Gly Cys Ala Gly Ala Ala Arg Arg Arg
 20 25

 <210> 235
 <211> 20
 <212> PRT
 <213> Homo sapiens

 <400> 235
 Lys Ala Glu Glu Ala Met Ala Thr Ile Pro Arg Glu Ala Pro Gly Gln
 1 5 10 15

 Ser Leu Val Glu
 20

 <210> 236
 <211> 26
 <212> PRT
 <213> Homo sapiens

 <400> 236
 Met Asn Arg His Asn Phe Pro Cys Ser Val His Gln Tyr Glu Ser Ser
 1 5 10 15

 Gly Thr Val Asn Asn Asp Asp Ser Asp Leu
 20 25

 <210> 237
 <211> 24
 <212> PRT
 <213> Homo sapiens

 <400> 237
 Asp Ser Gln Val Gln Tyr Ser Ala Glu Pro Gln Leu Tyr Gly Asn Ala
 1 5 10 15

 Thr Ser Asp His Pro Asn Asn Gln
 20

 <210> 238
 <211> 25

<212> PRT
 <213> Homo sapiens

 <400> 238
 His Pro Asn Asn Gln Asp Gln Ser Ser Ser Leu Pro Glu Glu Cys Val
 1 5 10 15
 Pro Ser Asp Glu Ser Thr Pro Pro Ser
 20 25

 <210> 239
 <211> 24
 <212> PRT
 <213> Homo sapiens

 <400> 239
 Glu Val Glu Glu Phe Val Gly Lys Lys Thr Asp Lys Ala Tyr Trp Leu
 1 5 10 15
 Leu Glu Glu Met Leu Thr Lys Glu
 20

 <210> 240
 <211> 24
 <212> PRT
 <213> Homo sapiens

 <400> 240
 Leu Glu Leu Asp Ser Val Glu Thr Gly Gly Gln Asp Ser Val Arg Gln
 1 5 10 15
 Ala Arg Lys Glu Ala Val Cys Lys
 20

 <210> 241
 <211> 9
 <212> PRT
 <213> Homo sapiens

 <400> 241
 Leu Asn Ser Ser Asp Cys Gln Leu Ala
 1 5

 <210> 242
 <211> 9
 <212> PRT
 <213> Homo sapiens

 <400> 242
 Asp Asn Tyr Cys Leu Gln Ile Asn Pro
 1 5

 <210> 243
 <211> 13
 <212> PRT

<213> Homo sapiens

<400> 243

Lys Arg Ile Leu Asn Lys Pro Val Gly Leu Lys Asp Leu
1 5 10

<210> 244

<211> 20

<212> PRT

<213> Homo sapiens

<400> 244

Gly Pro Gln Ile Ala Tyr Val Arg Asp Phe Lys Ala Lys Val Gln Tyr
1 5 10 15

Phe Arg Phe Trp
20

<210> 245

<211> 21

<212> PRT

<213> Homo sapiens

<400> 245

Tyr Phe Val Asn His Asn Thr Arg Ile Thr Gln Trp Glu Asp Pro Arg
1 5 10 15

Ser Gln Gly Gln Leu
20

<210> 246

<211> 23

<212> PRT

<213> Homo sapiens

<400> 246

Ile Gly Arg Phe Ile Ala Met Ala Leu Phe His Gly Lys Phe Ile Asp
1 5 10 15

Thr Gly Phe Ser Leu Pro Phe
20

<210> 247

<211> 18

<212> PRT

<213> Homo sapiens

<400> 247

Lys Gln Ile Met Trp Phe Trp Gln Phe Val Lys Glu Ile Asp Asn Glu
1 5 10 15

Lys Arg

<210> 248

<211> 17
<212> PRT
<213> Homo sapiens

<400> 248
Phe Asn Arg Leu Asp Leu Pro Pro Tyr Lys Ser Tyr Glu Gln Leu Lys
1 5 10 15

Glu

<210> 249
<211> 474
<212> PRT
<213> Homo sapiens

<220>
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<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 249
Thr His Ala Ser Ala Thr Arg Pro Gly Pro Leu Pro Pro Gly Trp Glu
1 5 10 15

Lys Arg Thr Asp Ser Asn Gly Arg Val Tyr Phe Val Asn His Asn Thr
20 25 30

Arg Ile Thr Gln Trp Glu Asp Pro Arg Ser Gln Gly Gln Leu Asn Glu

35					40					45					
Lys	Pro	Leu	Pro	Glu	Gly	Trp	Glu	Met	Arg	Phe	Thr	Val	Asp	Gly	Ile
	50					55					60				
Pro	Tyr	Phe	Val	Asp	His	Asn	Arg	Arg	Thr	Thr	Thr	Tyr	Ile	Asp	Pro
65					70					75					80
Arg	Thr	Gly	Lys	Ser	Ala	Leu	Asp	Asn	Gly	Pro	Gln	Ile	Ala	Tyr	Val
				85					90					95	
Arg	Asp	Phe	Lys	Ala	Lys	Val	Gln	Tyr	Phe	Arg	Phe	Trp	Cys	Gln	Gln
			100					105					110		
Leu	Ala	Met	Pro	Gln	His	Ile	Lys	Ile	Thr	Val	Thr	Arg	Lys	Thr	Leu
		115					120					125			
Phe	Glu	Xaa	Ser	Phe	Gln	Gln	Xaa	Xaa	Ser	Phe	Ser	Pro	Gln	Asp	Leu
	130					135					140				
Arg	Xaa	Arg	Leu	Trp	Val	Ile	Phe	Pro	Gly	Glu	Glu	Gly	Leu	Asp	Tyr
145					150					155					160
Gly	Gly	Val	Ala	Arg	Glu	Trp	Phe	Phe	Leu	Leu	Ser	His	Glu	Val	Leu
				165					170					175	
Asn	Pro	Met	Tyr	Cys	Leu	Phe	Glu	Tyr	Ala	Gly	Lys	Asp	Asn	Tyr	Cys
			180					185					190		
Leu	Gln	Ile	Asn	Pro	Xaa	Ser	Tyr	Ile	Asn	Pro	Asp	His	Leu	Lys	Tyr
	195						200					205			
Phe	Arg	Phe	Ile	Gly	Arg	Phe	Ile	Ala	Met	Ala	Leu	Phe	His	Gly	Lys
	210					215					220				
Phe	Ile	Asp	Thr	Gly	Phe	Ser	Leu	Pro	Phe	Xaa	Lys	Arg	Ile	Leu	Asn
225					230					235					240
Lys	Pro	Val	Gly	Leu	Lys	Asp	Leu	Glu	Ser	Ile	Asp	Pro	Glu	Phe	Tyr
				245					250					255	
Asn	Ser	Leu	Ile	Trp	Val	Lys	Glu	Asn	Asn	Ile	Glu	Glu	Cys	Asp	Leu
			260					265					270		
Glu	Met	Tyr	Phe	Ser	Val	Asp	Lys	Glu	Ile	Leu	Gly	Glu	Ile	Lys	Ser
		275					280					285			
His	Asp	Leu	Lys	Pro	Asn	Gly	Gly	Asn	Ile	Leu	Val	Thr	Glu	Glu	Asn
	290					295					300				
Lys	Glu	Glu	Tyr	Ile	Arg	Met	Val	Ala	Glu	Trp	Arg	Leu	Ser	Arg	Gly
305					310					315					320
Val	Glu	Glu	Gln	Thr	Gln	Ala	Phe	Phe	Glu	Gly	Phe	Asn	Glu	Ile	Leu
				325					330					335	
Pro	Gln	Gln	Tyr	Leu	Gln	Tyr	Phe	Asp	Ala	Lys	Glu	Leu	Glu	Val	Leu
			340					345					350		
Leu	Cys	Gly	Met	Gln	Glu	Ile	Asp	Leu	Asn	Asp	Trp	Gln	Arg	His	Ala

355	360	365
Ile Tyr Arg His Tyr Ala Arg Thr Ser Lys Gln	Ile Met Trp Phe Trp	
370	375	380
Gln Phe Val Lys Glu Ile Asp Asn Glu Lys Arg Met Arg Leu Leu Gln		
385	390	395
Phe Val Thr Gly Thr Cys Arg Leu Pro Val Gly Gly Phe Ala Asp Leu		
	405	410
Met Gly Ser Asn Gly Pro Gln Lys Phe Cys Ile Xaa Lys Val Gly Lys		
	420	425
Glu Asn Trp Leu Pro Arg Ser His Thr Cys Phe Asn Arg Leu Asp Leu		
	435	440
Pro Pro Tyr Lys Ser Tyr Glu Gln Leu Lys Glu Lys Leu Leu Phe Ala		
	450	455
Ile Glu Glu Thr Glu Gly Phe Gly Gln Glu		
465	470	

<210> 250
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 250
 Pro Pro Gly Cys Arg Asn Ser Ala Arg Glu
 1 5 10

<210> 251
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 251
 Ala Cys Gly Ala Pro Glu Glu Ala Gly Gly
 1 5 10

<210> 252
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 252
 Asp Pro Arg Val Arg Asp Leu Gln Gln Lys Asp Ile Gly Val Lys Pro
 1 5 10 15

Glu Phe Ser Phe Asn Ile Pro Arg Ala Lys Arg Glu Leu Ala Gln Leu
 20 25 30

Asn Lys Cys Thr Ser Pro Gln Gln Lys Leu Val Cys Leu Arg Lys Val
 35 40 45

Val Gln Leu Ile Thr Gln Ser Pro Ser Gln Arg Val Asn Leu Glu Thr

50

55

60

<210> 253

<211> 21

<212> PRT

<213> Homo sapiens

<400> 253

Gln	Gln	Lys	Asp	Ile	Gly	Val	Lys	Pro	Glu	Phe	Ser	Phe	Asn	Ile	Pro
1				5					10					15	

Arg	Ala	Lys	Arg	Glu
			20	

<210> 254

<211> 25

<212> PRT

<213> Homo sapiens

<400> 254

Lys	Cys	Thr	Ser	Pro	Gln	Gln	Lys	Leu	Val	Cys	Leu	Arg	Lys	Val	Val
1				5					10					15	

Gln	Leu	Ile	Thr	Gln	Ser	Pro	Ser	Gln
			20					25

<210> 255

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 255

Trp	Gln	Val	Pro	Ala	Pro	Val	Ile	Pro	Gly	Xaa	Asp	Pro	Arg	Val	Arg
1				5					10					15	

Gly	Ala	Arg	Lys	Arg	Thr	Leu	Leu	Gly	Val	Ala	Gly	Gly	Trp	Arg	Arg
			20					25					30		

Phe	Glu	Arg	Leu	Trp	Ala	Gly	Ser	Leu	Ser
			35					40	

<210> 256

<211> 41

<212> PRT

<213> Homo sapiens

<400> 256

Ser	Arg	Ser	Leu	Ala	Leu	Ala	Ala	Ala	Pro	Ser	Ser	Asn	Gly	Ser	Pro
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1 5 10 15
 Trp Arg Leu Leu Gly Ala Leu Cys Leu Gln Arg Pro Pro Val Val Ser
 20 25 30

Lys Pro Leu Thr Pro Leu Gln Glu Glu
 35 40

<210> 257
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 257
 Leu Lys Val Pro Thr Cys Tyr Ser Ala Asn Thr
 1 5 10

<210> 258
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 258
 Pro Pro Gly Cys Arg Asn Ser Ala Arg Glu
 1 5 10

<210> 259
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 259
 Gly Arg Pro Thr Arg Pro Ile
 1 5

<210> 260
 <211> 21
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> MISC_FEATURE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 260
 Asn Xaa Trp Ile Pro Arg Ala Ala Gly Ile Arg His Xaa Ala Ala Leu
 1 5 10 15

Gly Gln Ala Gly Thr
 20

<210> 261
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 261
 Leu Leu Phe His Met Lys Leu Arg Lys Glu Val Glu Arg Thr Gly Leu
 1 5 10 15
 Val Leu Trp Ala Leu Leu Ala Gly Ala Pro Pro Pro Thr Ala Gly Leu
 20 25 30
 Gln Leu Gln Gly Ser Glu Ala Ile Ser Glu Lys Val Gly Ser Gly Ala
 35 40 45
 Glu Gly Ser Arg Gly Gln Val Pro Gly Gln Leu Leu Gln Gln Ala Gln
 50 55 60
 Gln Ala Phe His Leu Cys Pro Gln Val Ile His Gly Leu Leu Tyr His
 65 70 75 80
 Leu Leu His Asp Ile
 85

<210> 262
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 262
 Arg Lys Glu Val Glu Arg Thr Gly Leu Val Leu Trp Ala Leu Leu Ala
 1 5 10 15
 Gly Ala Pro Pro Pro Thr Ala Gly Leu
 20 25

<210> 263
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 263
 Gly Ser Arg Gly Gln Val Pro Gly Gln Leu Leu Gln Gln Ala Gln Gln
 1 5 10 15
 Ala Phe His Leu Cys Pro Gln
 20

<210> 264
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 264
 Ile Arg His Glu Arg His Glu Leu Val Pro Asn Ser Ala Arg Asp Phe

1 5 10 15

<210> 265
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 265
Ser Gly Xaa Trp Gln Gly Leu Asp Glu Val Val Arg Leu Leu Asn Xaa
1 5 10 15

Ser Asp Phe Ala Phe Thr Asp
20

<210> 266
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 266
Gly Ser Leu Ala Lys Arg Ser Asn Phe Arg Ala Ile Ser Lys Lys Leu
1 5 10 15

Asn Leu Ile Pro Arg Val Asp Gly Glu Tyr Asp Leu Lys Val Pro Arg
20 25 30

Asp Met Ala Tyr Val Phe Xaa Gly Ala Tyr Val Pro Leu Ser Cys Arg
35 40 45

Ile Ile Glu Gln Val Leu Glu Arg Arg Xaa Ala Gly Pro
50 55 60

<210> 267
<211> 7

<212> PRT
<213> Homo sapiens

<400> 267
Glu Phe Gly Thr Ser Trp Val
1 5

<210> 268
<211> 33
<212> PRT
<213> Homo sapiens

<400> 268
Thr Pro His Asn Leu Ser Ala Arg Arg Leu Ser Gly Thr Met Tyr Gly
1 5 10 15
Phe Phe Ala Leu Gln Leu Thr Val Leu Leu Val His Tyr Phe Phe Leu
20 25 30

Ile

<210> 269
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 269
Cys Gly Ala Cys Thr Xaa Leu Ser Leu Ser Asp Ser Arg Arg Cys Gly
1 5 10 15
Cys Cys Lys Gly Ser Ser Leu Arg His Thr Ala Val Ala
20 25

<210> 270
<211> 142
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 270
Gln Lys Glu Trp Lys Leu Phe Leu Arg Gly Arg Gln Asn Glu Lys Ser
1 5 10 15
Gly Tyr Gln Lys Leu Leu Glu Leu Ile Leu Leu Asp Gln Thr Val Arg
20 25 30

Val Val Thr Ala Gly Ser Ala Ile Leu Gln Lys Cys His Phe Tyr Glu

35	40	45
Val Leu Ser Glu Ile Lys Arg Leu Gly Asp His Leu Ala Glu Lys Thr		
50	55	60
Ser Xaa Leu Pro Asn His Ser Glu Pro Asp His Asp Thr Asp Ala Gly		
65	70	75 80
Leu Glu Arg Thr Asn Pro Glu Tyr Glu Asn Glu Val Glu Ala Ser Met		
	85	90 95
Asp Met Asp Leu Leu Glu Ser Ser Asn Ile Ser Glu Gly Glu Ile Glu		
	100	105 110
Arg Leu Ile Asn Leu Leu Glu Glu Val Phe His Leu Met Glu Thr Ala		
	115	120 125
Pro His Thr Met Ile Gln Gln Pro Val Lys Ser Phe Pro Thr		
	130	135 140

<210> 271
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 271
Leu Arg Gly Arg Gln Asn Glu Lys Ser Gly Tyr Gln Lys Leu Leu Glu
1 5 10 15
Leu Ile Leu Leu Asp Gln Thr Val Arg Val Val
20 25

<210> 272
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 272
Ile Leu Gln Lys Cys His Phe Tyr Glu Val Leu Ser Glu Ile Lys Arg
1 5 10 15
Leu Gly Asp His Leu Ala Glu Lys Thr Ser
20 25

<210> 273
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 273
Asp Ala Gly Leu Glu Arg Thr Asn Pro Glu Tyr Glu Asn Glu Val Glu
1 5 10 15
Ala Ser Met Asp Met Asp
20

<210> 274
<211> 26
<212> PRT
<213> Homo sapiens

<400> 274
Asn Ile Ser Glu Gly Glu Ile Glu Arg Leu Ile Asn Leu Leu Glu Glu
1 5 10 15
Val Phe His Leu Met Glu Thr Ala Pro His
20 25

<210> 275
<211> 8
<212> PRT
<213> Homo sapiens

<400> 275
Ile Ser Leu Cys Lys Arg Ser Gly
1 5

<210> 276
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 276
Gly Ser Arg Arg His Val Val Gly Lys Pro Gly Thr Pro Cys Arg Tyr
1 5 10 15
Arg Ala Gly Ile Pro Xaa Val Asp Pro Arg Val Arg Ser Ile Thr Val
20 25 30
Ile Val Lys Met Trp Phe Leu Arg Val Val Ala Thr Tyr Gly Gly Val
35 40 45
Glu Arg
50

<210> 277
<211> 10
<212> PRT
<213> Homo sapiens

<400> 277
Leu Ala Pro Ser Ser Val Gly Ser Ala Ser
1 5 10

<210> 278
<211> 39
<212> PRT

<213> Homo sapiens

<400> 278

Arg Glu Ala Thr Lys Asn Pro Thr His His Arg Ser Thr Pro His Ala
1 5 10 15

Ala Gly Ser Gln Leu Asn Val Pro Pro Gln Pro Cys Phe Pro Leu His
20 25 30

His Gln Ile Lys Thr Ser Pro
35

<210> 279

<211> 38

<212> PRT

<213> Homo sapiens

<400> 279

Ser Gln Thr Ile Phe Lys Gln Ser Arg His Arg Cys Asp Ser Arg Gln
1 5 10 15

Glu Ser Thr Trp Leu Cys Ser His Glu Lys Asp Ala Thr Lys Met Met
20 25 30

His Leu Asn Asp Asn Ser
35

<210> 280

<211> 48

<212> PRT

<213> Homo sapiens

<400> 280

Val Thr Gly Ser Pro Ile Leu Gln Leu Ala Leu Leu Gln Leu Pro Ala
1 5 10 15

Trp Pro Leu Arg Gly Arg Leu Arg Gly Lys Arg His Cys Thr Gly Leu
20 25 30

Asn Leu Ala Ile Ser Gly Asn Gly Gly Glu Trp Gly Gly Arg Gly Glu
35 40 45

<210> 281

<211> 79

<212> PRT

<213> Homo sapiens

<400> 281

Gln Gly Tyr Ser Thr Lys Pro Arg Leu Met Val Pro Leu Lys Met Asp
1 5 10 15

Ser Ile Thr Val His Ile Arg Ser Thr Asn Gly Pro Ile Asp Val Tyr
20 25 30

Leu Cys Glu Val Glu Gln Gly Gln Thr Ser Asn Lys Arg Ser Glu Gly
35 40 45

Val Gly Thr Ser Ser Ser Glu Ser Thr His Pro Glu Gly Pro Glu Glu
50 55 60

Glu Glu Asn Pro Gln Gln Ser Glu Glu Leu Leu Glu Val Ser Asn
65 70 75

<210> 282

<211> 30

<212> PRT

<213> Homo sapiens

<400> 282

Asp Ser Ile Thr Val His Ile Arg Ser Thr Asn Gly Pro Ile Asp Val
1 5 10 15

Tyr Leu Cys Glu Val Glu Gln Gly Gln Thr Ser Asn Lys Arg
20 25 30

<210> 283

<211> 25

<212> PRT

<213> Homo sapiens

<400> 283

Leu Met Val Pro Leu Lys Met Asp Ser Ile Thr Val His Ile Arg Ser
1 5 10 15

Thr Asn Gly Pro Ile Asp Val Tyr Leu
20 25

<210> 284

<211> 26

<212> PRT

<213> Homo sapiens

<400> 284

Gln Gly Gln Thr Ser Asn Lys Arg Ser Glu Gly Val Gly Thr Ser Ser
1 5 10 15

Ser Glu Ser Thr His Pro Glu Gly Pro Glu
20 25

<210> 285

<211> 25

<212> PRT

<213> Homo sapiens

<400> 285

Ile Arg His Glu Tyr Pro Val Leu Ile Gln Phe Ser Val Ser Tyr Arg
1 5 10 15

Lys Ser Phe Ile Phe Cys Leu Pro Glu
20 25

<210> 286
<211> 41
<212> PRT
<213> Homo sapiens

<400> 286
Lys Gln Val Lys Cys Ala Lys Val Ser Tyr Leu Leu Phe Leu Phe Gln
1 5 10 15
Tyr Cys Ala Ile Asp Ser Cys Ile Lys Phe Trp Asn Ala Gly Ser Ser
20 25 30
Trp Leu Ser Ser Val Thr Leu Trp Ser
35 40

<210> 287
<211> 13
<212> PRT
<213> Homo sapiens

<400> 287
Ile Tyr Val Met Asp Thr Ser Arg Ser Thr Asn Pro Val
1 5 10

<210> 288
<211> 14
<212> PRT
<213> Homo sapiens

<400> 288
Asn Met Leu Tyr Ala Cys Ser Ile Leu Tyr Lys Thr Lys Leu
1 5 10

<210> 289
<211> 19
<212> PRT
<213> Homo sapiens

<400> 289
Met Asn Lys Thr Asp Ile Ile Asp His Ser Phe Ala Val Glu Trp Met
1 5 10 15
Gln Asp Phe

<210> 290
<211> 13
<212> PRT
<213> Homo sapiens

<400> 290
Ala Phe Gln Asp Ala Leu Asn Gln Glu Thr Thr Tyr Val
1 5 10

<210> 291
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 291
 Asn Leu Thr Arg Ser Met Ser Leu Val Leu Asp Glu Phe Tyr Ser Ser
 1 5 10 15
 Leu Arg Val Val Gly Val Ser Ala Val Leu Gly Thr Gly Leu Asp Glu
 20 25 30
 Leu Phe Val Gln Val Thr Ser Ala Ala
 35 40

<210> 292
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 292
 Leu Lys Lys Ser Leu Ala Asn Ala Glu Ser
 1 5 10

<210> 293
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 293
 Lys Asp Met Gly Ser Val Ala Leu Asp Ala Gly Thr Ala Lys Asp Ser
 1 5 10 15
 Leu Ser Pro Val Leu His Pro Ser Asp Leu Ile Leu Thr
 20 25

<210> 294
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 294
 Ala Gly Ser Gly Lys Thr Thr Phe Val Gln Arg Leu Thr Gly His Leu
 1 5 10 15
 His Ala Gln Gly Thr Pro Pro Tyr Val Ile Asn Leu
 20 25

<210> 295
 <211> 134
 <212> PRT
 <213> Homo sapiens

<220>
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<222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> MISC_FEATURE
 <222> (98)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> MISC_FEATURE
 <222> (119)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 295
 Ser Thr Trp Ile Gln Gln Tyr Met Lys Phe Pro Phe Leu Pro Ile Leu
 1 5 10 15
 Val Met Lys Phe Ile Glu Lys Ala Gln Asn Met Ser Lys Tyr Val Leu
 20 25 30
 Ile Asp Thr Pro Gly Gln Ile Glu Val Phe Thr Trp Ser Ala Ser Gly
 35 40 45
 Thr Ile Ile Thr Glu Ala Leu Ala Ser Ser Phe Pro Thr Val Xaa Ile
 50 55 60
 Tyr Val Met Asp Thr Ser Arg Ser Thr Asn Pro Val Thr Phe Met Cys
 65 70 75 80
 Asn Met Leu Tyr Ala Cys Ser Ile Leu Tyr Lys Thr Lys Leu Ala Phe
 85 90 95
 Ile Xaa Gly Met Asn Lys Thr Asp Ile Ile Asp His Ser Phe Ala Val
 100 105 110
 Glu Trp Met Gln Asp Phe Xaa Ala Phe Gln Asp Ala Leu Asn Gln Glu
 115 120 125
 Thr Thr Tyr Val Ile Thr
 130

<210> 296
 <211> 197
 <212> PRT
 <213> Homo sapiens

<400> 296
 Gly Phe Pro Arg Cys Leu Glu Ser Arg Asp Tyr Ile Arg His Asn Leu
 1 5 10 15
 Thr Arg Ser Met Ser Leu Val Leu Asp Glu Phe Tyr Ser Ser Leu Arg
 20 25 30
 Val Val Gly Val Ser Ala Val Leu Gly Thr Gly Leu Asp Glu Leu Phe
 35 40 45
 Val Gln Val Thr Ser Ala Ala Glu Glu Tyr Glu Arg Glu Tyr Arg Pro
 50 55 60

Glu Tyr Glu Arg Leu Lys Lys Ser Leu Ala Asn Ala Glu Ser Gln Gln
 65 70 75 80
 Gln Arg Glu Gln Leu Glu Arg Leu Arg Lys Asp Met Gly Ser Val Ala
 85 90 95
 Leu Asp Ala Gly Thr Ala Lys Asp Ser Leu Ser Pro Val Leu His Pro
 100 105 110
 Ser Asp Leu Ile Leu Thr Arg Gly Thr Leu Asp Glu Glu Asp Glu Glu
 115 120 125
 Ala Asp Ser Asp Thr Asp Asp Ile Asp His Arg Val Thr Glu Glu Ser
 130 135 140
 His Glu Glu Pro Ala Phe Gln Asn Phe Met Gln Glu Ser Met Ala Gln
 145 150 155 160
 Tyr Trp Lys Arg Asn Asn Lys His Arg Val Thr Glu Glu Ser His Glu
 165 170 175
 Glu Pro Ala Phe Gln Asn Phe Met Gln Glu Ser Met Ala Gln Tyr Trp
 180 185 190
 Lys Arg Asn Asn Lys
 195

<210> 297
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 297
 Thr Phe Lys Ser Leu Trp Lys His Trp Thr Leu Ala Gly Pro Gly Asn
 1 5 10 15
 Ile Gly Lys Asn Trp Ile Gly Arg
 20

<210> 298
 <211> 163
 <212> PRT
 <213> Homo sapiens

<400> 298
 Ala His Ala Val Trp Arg Pro Gly Val Leu Pro Gly Leu Val Glu Leu
 1 5 10 15
 Arg Val Cys His Leu Leu Leu Ala Glu Leu Glu His Pro Cys Ala Gln
 20 25 30
 Val Val His Gln Val Gly Gly Val Cys Val Cys Val Met Trp Asn Met
 35 40 45
 Ala Val Asn Leu Asn Arg Phe Pro Cys Pro Leu Leu Cys Arg His Phe
 50 55 60
 Tyr Lys Pro Met Leu Arg Arg Gly Ser Ser Lys Trp Met Ala Arg Thr

65		70		75		80
Gly Val Phe Leu Ala Ser Ala Phe Phe His Glu Tyr Leu Val Ser Val						
	85			90		95
Pro Leu Arg Met Phe Arg Leu Trp Ala Phe Thr Gly Met Met Ala Gln						
	100			105		110
Ile Pro Leu Ala Trp Phe Val Gly Arg Phe Phe Gln Gly Asn Tyr Gly						
	115			120		125
Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly Gln Pro Ile Ala Val						
	130			135		140
Leu Met Tyr Val His Asp Tyr Tyr Val Leu Asn Tyr Glu Ala Pro Ala						
145		150		155		160
Ala Glu Ala						

<210> 299
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 299
 Tyr Phe Leu Phe Ala Pro Thr Leu
 1 5

<210> 300
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 300
 Asn Leu Asn Arg Phe Pro Cys Pro Leu Leu Cys Arg His Phe Tyr Lys
 1 5 10 15

<210> 301
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 301
 Gln Gly Asn Tyr Gly Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly
 1 5 10 15

<210> 302
 <211> 17
 <212> PRT

<213> Homo sapiens

<400> 302

Leu Tyr Tyr Phe Leu Phe Ala Pro Thr Leu Cys Tyr Glu Leu Asn Phe
1 5 10 15

Pro

<210> 303

<211> 26

<212> PRT

<213> Homo sapiens

<400> 303

Glu Met Leu Phe Phe Thr Gln Leu Gln Val Gly Leu Ile Gln Gln Trp
1 5 10 15

Met Val Pro Thr Ile Gln Asn Ser Met Lys
20 25

<210> 304

<211> 18

<212> PRT

<213> Homo sapiens

<400> 304

Val Thr Tyr Phe Trp Gln Asn Trp Asn Ile Pro Val His Lys Trp Cys
1 5 10 15

Ile Arg

<210> 305

<211> 60

<212> PRT

<213> Homo sapiens

<400> 305

Pro Phe Lys Asp Met Asp Tyr Ser Arg Ile Ile Glu Arg Leu Leu Lys
1 5 10 15

Leu Ala Val Pro Asn His Leu Ile Trp Leu Ile Phe Phe Tyr Trp Leu
20 25 30

Phe His Ser Cys Leu Asn Ala Val Ala Glu Leu Met Gln Phe Gly Asp
35 40 45

Arg Glu Phe Tyr Arg Asp Trp Trp Asn Ser Glu Ser
50 55 60

<210> 306

<211> 48

<212> PRT

<213> Homo sapiens

<400> 306

Arg His Phe Tyr Lys Pro Met Leu Arg Arg Gly Ser Ser Lys Trp Met
1 5 10 15

Ala Arg Thr Gly Val Phe Leu Ala Ser Ala Phe Phe His Glu Tyr Leu
20 25 30

Val Ser Val Pro Leu Arg Met Phe Arg Leu Trp Ala Phe Thr Gly Met
35 40 45

<210> 307

<211> 47

<212> PRT

<213> Homo sapiens

<400> 307

Met Ala Gln Ile Pro Leu Ala Trp Phe Val Gly Arg Phe Phe Gln Gly
1 5 10 15

Asn Tyr Gly Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly Gln Pro
20 25 30

Ile Ala Val Leu Met Tyr Val His Asp Tyr Tyr Val Leu Asn Tyr
35 40 45

<210> 308

<211> 13

<212> PRT

<213> Homo sapiens

<400> 308

Ile Arg His Glu Asp Glu Val Lys Leu Leu Glu Trp Ser
1 5 10

<210> 309

<211> 31

<212> PRT

<213> Homo sapiens

<400> 309

Glu Phe Gly Thr Ser Arg Gly Pro Val Pro Leu Ser Ser Thr Ser Pro
1 5 10 15

Met Pro Ser Arg Leu Val Ile Arg Ala His Ser Leu Leu Phe Ala
20 25 30

<210> 310

<211> 6

<212> PRT

<213> Homo sapiens

<400> 310

Ala Thr Ser His Cys Gly

1

5

<210> 311

<211> 41

<212> PRT

<213> Homo sapiens

<400> 311

Met Glu Glu Glu Ala Tyr Ser Lys Gly Phe Gln Glu Gly Leu Lys Lys
 1 5 10 15

Thr Lys Glu Leu Gln Asp Leu Lys Glu Glu Glu Glu Gln Lys Ser
 20 25 30

Glu Ser Pro Glu Glu Pro Glu Glu Val
 35 40

<210> 312

<211> 37

<212> PRT

<213> Homo sapiens

<400> 312

Glu Glu Thr Glu Glu Glu Glu Lys Gly Pro Arg Ser Ser Lys Leu Glu
 1 5 10 15

Glu Leu Val His Phe Leu Gln Val Met Tyr Pro Lys Leu Cys Gln His
 20 25 30

Trp Gln Val Ile Trp
 35

<210> 313

<211> 16

<212> PRT

<213> Homo sapiens

<400> 313

Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro Ser Thr Glu Leu Gly
 1 5 10 15

<210> 314

<211> 36

<212> PRT

<213> Homo sapiens

<400> 314

Arg Pro Thr Arg Pro Pro Asp Gly Cys His Pro Ser Cys Cys Arg Met
 1 5 10 15

Glu Ala Ala Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro Ser Thr
 20 25 30

Glu Leu Gly Ile
35

<210> 315
<211> 52
<212> PRT
<213> Homo sapiens

<400> 315
Gly Lys Val Glu Ile Glu Val Phe Ile Phe Pro Tyr Glu Tyr Pro Val
1 5 10 15
Val Pro Thr Pro Leu Ile Lys Asn Thr Ile Leu Tyr Pro Leu Ser Leu
20 25 30
Phe Cys Thr Phe Ile Lys Asn Gln Phe Ser Ile Tyr Leu Trp Ile Lys
35 40 45
Phe Phe Ile Phe
50

<210> 316
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 316
Ala Pro Gln Lys Phe Pro Xaa Gly Phe Phe Phe Phe Phe Leu Phe Ser
1 5 10 15
Arg Arg Lys Lys Gln Cys Ser Lys Val Val Gln Asn Thr Gly Ala Gly
20 25 30
Ala Ile Gln Thr Gln Val
35

<210> 317
<211> 38
<212> PRT
<213> Homo sapiens

<400> 317
Gln Leu Leu Thr Ser Pro Thr Phe Ser Thr Val Leu Ser Asn Tyr Thr
1 5 10 15
Cys Gln Ala Pro Ser Gln Trp Thr Asp Trp Gln Ala Leu Leu Pro Thr
20 25 30
Gly Ile Gln Thr Glu His
35

<210> 318
<211> 36
<212> PRT
<213> Homo sapiens

<400> 318
His Gln Gly Trp Asp Lys Gln Lys Gln Cys Lys Arg Lys Cys Glu His
1 5 10 15
Glu His Ala Pro Leu His His Asn Leu Trp Lys Gln Ser Gly Lys Thr
20 25 30
Arg Leu Gly Asp
35

<210> 319
<211> 35
<212> PRT
<213> Homo sapiens

<400> 319
Glu Cys Gln Glu Tyr Glu Ile Leu Glu His Cys Trp Trp Glu Cys Lys
1 5 10 15
Leu Val Gln Pro Phe Trp Lys Ser Ser Cys Arg Ile Pro Ala Ala Arg
20 25 30
Gly Ile His
35

<210> 320
<211> 15
<212> PRT
<213> Homo sapiens

<400> 320
His Cys Trp Trp Glu Cys Lys Leu Val Gln Pro Phe Trp Lys Ser
1 5 10 15

<210> 321
<211> 6
<212> PRT
<213> Homo sapiens

<400> 321
Phe Thr Phe Pro Pro Thr
1 5

<210> 322
<211> 14
<212> PRT
<213> Homo sapiens

<400> 322
Arg Ala Thr Thr His Val Ser Arg Glu Phe Phe Gly His Thr
1 5 10

<210> 323
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 323
 Ala Asp Val Glu Leu Val Asp Pro Xaa Gly Cys Arg Asn Ser Ala Arg
 1 5 10 15
 Ala Pro Ala Arg Lys Lys Glu Trp His Ser Trp Ala Trp Pro Arg Ile
 20 25 30
 Arg Val Ile Arg Ala Arg Glu Ser Leu Gly Ser
 35 40

<210> 324
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 324
 Gly Leu Trp Leu Ser Leu Gly Gly Phe His Glu Arg Gly Gln Asp Trp
 1 5 10 15
 Glu Gln Thr Gln Lys Ile Tyr Asn Cys His Val Leu Leu Asn Arg Lys
 20 25 30
 Gly Gln

<210> 325
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 325
 Ala Trp Pro Arg Leu Gly Ala Asp Ser Glu Asn Leu Gln Leu Ser Arg
 1 5 10 15
 Ala Ala Glu Gln Lys Gly Ala Val Val Ala Thr Tyr Arg Lys Thr His
 20 25 30
 Leu Cys Asp Val Glu Ile Pro Gly Gln Gly Leu Cys Val Lys Ala Thr
 35 40 45
 Leu Pro Cys Leu Gly Pro Val Leu Ser His Leu Ser Ala His Gln Gln
 50 55 60
 Ala Arg Leu Val
 65

<210> 326
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 326
 Arg Ala Ala Glu Gln Lys Gly Ala Val Val Ala Thr Tyr Arg Lys Thr
 1 5 10 15
 His Leu Cys Asp Val Glu Ile Pro Gly Gln Gly
 20 25

<210> 327
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 327
 Arg Arg Asp Ser Arg Ala Gly Ala
 1 5

<210> 328
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 328
 Thr Leu Phe Ser Met Phe Ser Gly Pro Leu Gly Arg Gln Thr Gln Leu
 1 5 10 15
 Asp Phe Arg Ala Asp Ile Gly Glu Glu Asn Met Ala Leu Ser Val Leu
 20 25 30
 Ser Pro Asp Lys Cys Tyr Leu Tyr Thr
 35 40

<210> 329
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 329
 His Pro Asn Leu Lys Arg Lys Cys Ile Ser Leu Gly Phe Lys His Cys
 1 5 10 15
 Asn Arg Tyr Lys Ala Lys Ile Lys Thr Cys Cys Lys Val Gln Lys Lys
 20 25 30
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Arg
 35 40 45

<210> 330
 <211> 127
 <212> PRT
 <213> Homo sapiens

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<220>
<221> MISC_FEATURE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 330
His His His Leu Arg Val Gly Ser Pro Trp Ser His Pro Glu Thr Gly
  1              5              10              15

Thr Ala Val His Gly Ala His Pro Gln Gly Glu Ala Ala Ser Asp Arg
      20              25              30

His Arg Gly Cys Phe Tyr Arg Arg Arg Gln Leu Met His Gln Leu Pro
      35              40              45

Ile Tyr Asp Gln Asp Pro Ser Arg Cys Arg Gly Leu Leu Glu Asn Glu
      50              55              60

Leu Lys Leu Met Glu Glu Phe Val Lys Gln Tyr Lys Ser Glu Ala Leu
      65              70              75              80

Gly Val Gly Glu Val Ala Leu Pro Gly Xaa Gly Trp Leu Ala Lys Glu
      85              90              95

Glu Gly Lys Gln Gln Glu Lys Pro Glu Gly Ala Glu Thr Xaa Ala Xaa
      100             105             110

Thr Thr Asn Gly Xaa Xaa Ser Asp Pro Ser Lys Glu Glu Ala Cys
      115             120             125


<210> 331
<211> 7
<212> PRT
<213> Homo sapiens

<400> 331
Thr Tyr Glu Trp Ala Pro Pro
  1              5

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<210> 332
<211> 7
<212> PRT
<213> Homo sapiens

<400> 332
Pro Lys Glu Lys Gln Pro Val
1 5

<210> 333
<211> 34
<212> PRT
<213> Homo sapiens

<400> 333
Pro Arg Pro Ala Asn Leu Ala Ile Gln Pro Pro Leu Ser Pro Leu Arg
1 5 10 15

Ala Leu Ala Pro Leu Pro Glu Lys Pro Gly Ala Val Pro Pro Pro Gln
20 25 30

Lys Arg

<210> 334
<211> 30
<212> PRT
<213> Homo sapiens

<400> 334
Phe Arg Ala Trp Arg Asn His Gly His Ser Cys Phe Leu Cys Glu Ile
1 5 10 15

Val Ile Arg Ser Gln Phe His Thr Thr Tyr Glu Pro Glu Ala
20 25 30

<210> 335
<211> 102
<212> PRT
<213> Homo sapiens

<400> 335
Ala Asp Asn Asn Phe Thr Gln Glu Thr Ala Met Thr Met Ile Thr Pro
1 5 10 15

Ser Ser Lys Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr
20 25 30

Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
35 40 45

Ser Ala Arg Ala Val Leu Leu Ile Trp Gly His Gly Ser Ser Gly Lys
50 55 60

Met Ala Leu Cys Gly Val Glu Val Ser Pro Arg Val Gly Gly Ser Val

<400> 340

Lys Trp Lys Gly Asp Leu His Cys Ile Leu Gly Leu Leu Ala
1 5 10

<210> 341

<211> 194

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 341

Glu Val Ile Asn Thr Leu Ala Asp His Arg His Arg Gly Thr Asp Phe
1 5 10 15

Gly Gly Ser Pro Trp Leu Leu Ile Ile Thr Val Phe Leu Arg Ser Tyr
20 25 30

Lys Phe Ala Ile Ser Leu Cys Thr Ser Tyr Leu Cys Val Ser Phe Leu
35 40 45

Lys Thr Ile Phe Pro Ser Gln Asn Gly His Asp Gly Ser Thr Asp Val
50 55 60

Gln Gln Arg Ala Arg Arg Ser Asn Xaa Arg Arg Gln Glu Gly Ile Lys
65 70 75 80

Ile Val Leu Glu Asp Ile Phe Thr Leu Trp Arg Gln Val Glu Thr Lys
85 90 95

Val Arg Ala Lys Ile Arg Lys Met Lys Val Thr Thr Lys Val Asn Arg
100 105 110

His Asp Lys Ile Asn Gly Lys Arg Lys Thr Ala Lys Glu His Leu Arg
115 120 125

Lys Leu Ser Met Lys Glu Arg Glu His Gly Glu Lys Glu Arg Gln Val
130 135 140

Ser Glu Ala Glu Glu Asn Gly Lys Leu Asp Met Lys Glu Ile His Thr
145 150 155 160

Tyr Met Glu Met Phe Gln Arg Ala Gln Val Cys Gly Gly Gly Gln Arg
165 170 175

Thr Thr Thr Asp Ala Lys Ser Pro Leu Leu Gln Glu Ser Leu Phe Ala
180 185 190

Thr Gly

<210> 342

<211> 143

<212> PRT

<213> Homo sapiens


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<220>
<221> MISC_FEATURE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 342
Ile Cys Val Lys Thr Phe Pro Pro Leu Ala Leu Gln Val Arg Met Ala
 1             5             10             15

Ala Xaa Glu His Arg His Ser Ser Gly Leu Pro Xaa Trp Pro Tyr Leu
      20             25             30

Thr Ala Glu Thr Leu Lys Asn Arg Met Gly His Gln Pro Pro Pro Pro
      35             40             45

Thr Gln Gln His Ser Ile Xaa Asp Asn Ser Leu Ser Leu Lys Thr Pro
      50             55             60

Ala Glu Cys Leu Leu Tyr Pro Leu Pro Pro Ser Ala Asp Asp Asn Leu
      65             70             75             80

Lys Thr Pro Xaa Glu Cys Leu Leu Thr Pro Leu Pro Pro Ser Ala Pro
      85             90             95

Pro Ser Ala Asp Asp Asn Leu Lys Thr Pro Pro Glu Cys Val Cys Ser
      100            105            110

Leu Pro Phe His Pro Gln Leu His Pro Gln Arg Met Ile Ile Ser Arg
      115            120            125

His Leu Pro Ser Val Ser Ala His Ser Pro Ser Thr Leu Ser Gly
      130            135            140


<210> 343
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 343
 Arg Ala Arg Arg Ser Asn Xaa Arg Arg Gln Glu Gly Ile Lys Ile Val
 1 5 10 15

Leu Glu Asp Ile
 20

<210> 344
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 344
 Leu Ser Leu Lys Thr Pro Ala Glu Cys Leu Leu Tyr Pro Leu Pro Pro
 1 5 10 15

<210> 345
 <211> 159
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> MISC_FEATURE
 <222> (137)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 345
 Tyr Ala Leu Arg Thr Gly Ala Phe Glu Pro Ala Glu Ala Ser Val Asn
 1 5 10 15

Pro Gln Asp Leu Gln Gly Ser Leu Gln Glu Leu Lys Glu Arg Ala Leu
 20 25 30

Ser Arg Tyr Asn Leu Val Arg Gly Gln Gly Pro Glu Arg Leu Val Ser
 35 40 45

Gly Ser Asp Asp Phe Thr Leu Phe Leu Trp Ser Pro Ala Glu Xaa Lys
 50 55 60

Lys Pro Leu Thr Arg Met Thr Gly His Gln Ala Leu Ile Asn Gln Val
 65 70 75 80

Leu Phe Ser Pro Asp Ser Arg Ile Val Ala Ser Ala Ser Phe Asp Lys
 85 90 95

Ser Ile Lys Leu Trp Asp Gly Arg Thr Gly Lys Tyr Leu Ala Ser Leu
 100 105 110

Arg Gly His Val Ala Ala Val Tyr Gln Ile Ala Trp Ser Ala Asp Ser
 115 120 125

Arg Leu Leu Val Ser Gly Ser Ser Xaa Gln His Thr Glu Gly Val Gly
130 135 140

Cys Glu Gly Pro Glu Ala Gly His Gly Pro Ala Arg Pro Arg Gly
145 150 155

<210> 346

<211> 21

<212> PRT

<213> Homo sapiens

<400> 346

Leu Lys Glu Arg Ala Leu Ser Arg Tyr Asn Leu Val Arg Gly Gln Gly
1 5 10 15

Pro Glu Arg Leu Val
20

<210> 347

<211> 27

<212> PRT

<213> Homo sapiens

<400> 347

Lys His Val Ile Phe Phe Met Phe Ile Ser Asn Leu Phe Leu Ile Leu
1 5 10 15

Cys Phe Leu Phe Arg Pro Thr Lys Thr Thr Val
20 25

<210> 348

<211> 27

<212> PRT

<213> Homo sapiens

<400> 348

Phe Leu Leu Ile Glu Ser Tyr Gln Lys Leu Arg Asn Lys Thr Asn Leu
1 5 10 15

Ser Leu His Val Phe Leu Phe His Thr Glu Val
20 25

<210> 349

<211> 137

<212> PRT

<213> Homo sapiens

<400> 349

Met Pro Thr Pro Ser Met Arg Ala Asn Arg Met Pro Pro Ile Ile Ala
1 5 10 15

Glu Pro Thr Met Ala Ser Gly Pro Leu Arg Ala Ala Ser Thr Ala Pro
20 25 30

Val Asn Ala Pro Leu Val Ile Glu Phe Gln Gly Ser Ser Leu Pro Arg

	20	25	30
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Ser Phe Ala Val Trp Gly Gly
35

<210> 353
<211> 40
<212> PRT
<213> Homo sapiens

<400> 353
Leu Phe Ser Thr Ile Asp Cys Gly Leu Val Arg Leu Arg Gly Lys Glu
1 5 10 15
Asp Pro Trp Asn Ser Ile Thr Ser Gly Ala Leu Thr Gly Ala Val Leu
20 25 30
Ala Ala Arg Ser Gly Pro Leu Ala
35 40

<210> 354
<211> 38
<212> PRT
<213> Homo sapiens

<400> 354
Ile Arg His Glu Arg Lys Ser Ala Arg Ala Cys Cys Pro Leu Thr Gly
1 5 10 15
Ala Gln Arg Arg Gly Gln Ala Leu Pro Thr Pro Arg Ala Gly Pro Gly
20 25 30
His Ser Pro Ala Pro Val
35

<210> 355
<211> 38
<212> PRT
<213> Homo sapiens

<400> 355
Ala Pro Ser Ala Pro Gln Glu Asp Gly Gly Ser Pro Pro Ala Pro Gln
1 5 10 15
Gly Gln Pro Asp Pro Gly Pro Gly Ala Gly Gln Pro Ala Gln Leu Gly
20 25 30
Pro Leu Leu Ala Phe Leu
35

<210> 356
<211> 44
<212> PRT
<213> Homo sapiens

<400> 356

Pro Leu Leu His Gln Asp Cys Lys Glu Ser Pro His Leu Gly Ser Ser
 1 5 10 15

Gly Ser Pro Val Gln Ala Leu Asp Leu Ser Ser Ile Gln Thr Arg Thr
 20 25 30

Ala Val Ser Cys Val Asp Gly Val Arg Leu Trp Ala
 35 40

<210> 357

<211> 78

<212> PRT

<213> Homo sapiens

<400> 357

Thr Leu His Pro Pro Gln Glu Pro Gln Arg Pro Glu Ala Pro Asp Ala
 1 5 10 15

Gly Asp Pro Ala Pro Leu Pro Ser Thr Ser Ser Val Gly Ser Ser Ser
 20 25 30

Gly Gly Ala Cys Gly Val Pro Cys Ala His Trp Arg Val Cys Gly Leu
 35 40 45

Ile His Leu Val Ala Leu Arg Gly Gly Ile Arg Ala Pro Val Ser Pro
 50 55 60

Pro Phe Met Phe Asn Leu His His Asn Leu Leu Asn Leu Arg
 65 70 75

<210> 358

<211> 21

<212> PRT

<213> Homo sapiens

<400> 358

Glu Pro Gln Arg Pro Glu Ala Pro Asp Ala Gly Asp Pro Ala Pro Leu
 1 5 10 15

Pro Ser Thr Ser Ser
 20

<210> 359

<211> 15

<212> PRT

<213> Homo sapiens

<400> 359

Arg Val Cys Gly Leu Ile His Leu Val Ala Leu Arg Gly Gly Ile
 1 5 10 15

<210> 360

<211> 18

<212> PRT

<213> Homo sapiens

<400> 360
 Ile Phe Ser Cys Asp Ser Ile Ala Ile Ile Gln Ile Lys His Leu Ala
 1 5 10 15

Phe Pro

<210> 361
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 361
 His Ser Gly Val Gln Thr Ile Ala Phe Gly Leu Glu Cys
 1 5 10

<210> 362
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 362
 Lys Val Gln Asp Arg Asp Gly Lys Glu Arg Arg Lys Gln Glu Glu Val
 1 5 10 15

Lys Leu Gly Arg Trp Cys Gln Trp His
 20 25

<210> 363
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 363
 Leu Ala Pro Ser Ser Val Gly Ser Ala Ser
 1 5 10

<210> 364
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 364
 Arg Glu Ala Thr Lys Asn Pro Thr His His Arg Ser Thr Pro His Ala
 1 5 10 15

Ala Gly Ser Gln Leu Asn Val Pro Pro Gln Pro Cys Phe Pro Leu His
 20 25 30

His Gln Ile Lys Thr Ser Pro
 35

<210> 365
 <211> 38
 <212> PRT

<213> Homo sapiens

<400> 365

Ser Gln Thr Ile Phe Lys Gln Ser Arg His Arg Cys Asp Ser Arg Gln
1 5 10 15

Glu Ser Thr Trp Leu Cys Ser His Glu Lys Asp Ala Thr Lys Met Met
20 25 30

His Leu Asn Asp Asn Ser
35

<210> 366

<211> 48

<212> PRT

<213> Homo sapiens

<400> 366

Val Thr Gly Ser Pro Ile Leu Gln Leu Ala Leu Leu Gln Leu Pro Ala
1 5 10 15

Trp Pro Leu Arg Gly Arg Leu Arg Gly Lys Arg His Cys Thr Gly Leu
20 25 30

Asn Leu Ala Ile Ser Gly Asn Gly Gly Glu Trp Gly Gly Arg Gly Glu
35 40 45

<210> 367

<211> 35

<212> PRT

<213> Homo sapiens

<400> 367

Leu Phe Ser Ser Phe Leu Gly Asp Thr Thr Val His Lys Val Leu Ser
1 5 10 15

Arg Ala Thr Leu His Leu His Pro Ala Pro Tyr Leu Thr Gly Val Asp
20 25 30

Ser Tyr Ser
35

<210> 368

<211> 39

<212> PRT

<213> Homo sapiens

<400> 368

Asp Phe Ser Ser Tyr Ser His Pro Ser Leu Gly Thr Gln Leu Ser Ile
1 5 10 15

Arg Cys Tyr Pro Glu Pro His Cys Ile Cys Thr Gln His His Thr Ser
20 25 30

Gln Glu Ser Thr Pro Thr Leu
35

<210> 369
<211> 19
<212> PRT
<213> Homo sapiens

<400> 369
Arg Pro Thr Arg Pro Ser Ile Leu Gly Leu Tyr Val Asp Leu Tyr Val
1 5 10 15

Phe Cys Ile

<210> 370
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 370
Gly Ala Ser Ser Arg Pro Arg Leu Glu Leu Gly Arg Leu Met Gly Pro
1 5 10 15

Lys Gly Val Ala Val Asp Arg Asn Xaa His Ile Ile Val Val Asp Asn
20 25 30

Lys Ser Cys Cys Val Phe Thr Phe Gln Pro Asn Gly
35 40

<210> 371
<211> 44
<212> PRT
<213> Homo sapiens

<400> 371
Lys Leu Val Gly Arg Phe Gly Gly Arg Gly Ala Thr Asp Arg His Phe
1 5 10 15

Ala Gly Pro His Phe Val Ala Val Asn Asn Lys Asn Glu Ile Val Val
20 25 30

Thr Asp Phe His Asn His Ser Val Lys Val Tyr Ser
35 40

<210> 372
<211> 42
<212> PRT
<213> Homo sapiens

<400> 372

Ala Asp Gly Glu Phe Leu Phe Lys Phe Gly Ser His Gly Glu Gly Asn
 1 5 10 15

Gly Gln Phe Asn Ala Pro Thr Gly Val Ala Val Asp Ser Asn Gly Asn
 20 25 30

Ile Ile Val Ala Asp Trp Gly Asn Ser Arg
 35 40

<210> 373
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> MISC_FEATURE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 373
 Ile Xaa Gly Ile Arg Xaa Leu Trp Leu Leu Pro Val Leu Tyr Gln His
 1 5 10 15

Ile Cys Arg Thr Thr Val Trp Ser Thr Gly Pro Gly Thr Asp Leu Gly
 20 25 30

Trp Pro Cys Gly Gly Gly
 35